

RHG 1-318 ODONATA 1949-1952

Cape May, N.J. 2, 18

Maryland, Virginia near D.C. 1, 3-11

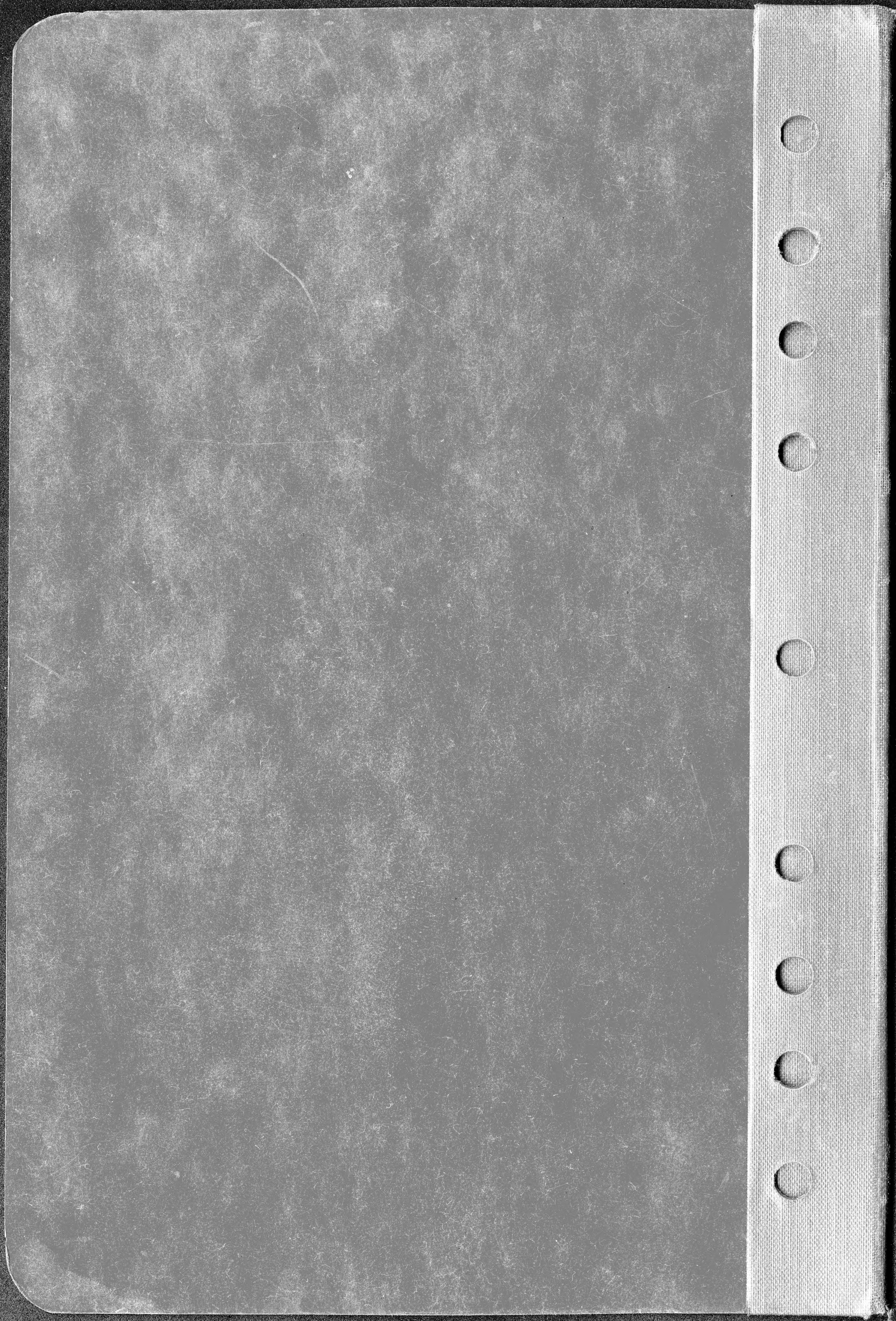
Cape Cod 13-17, 113-164, 214-225, 233-279

Maine... 191-112 Mass. 231-232

New York... 165-170, 226-230, ~~233-279~~ 280-81

Florida... 180-186, 56-1-11

Southeastern U.S. 187-213, 301-318



Survey Vo.

Drainage Potomac

Coll. No. 1

Locality Cub Run tribut of Bull Run tribut of Occoquan Cr.
19.9 mi. SW of Falls Church on rt. 211

County Fairfax

Quadrangle

Elevation

Water White, turbid

Flow 60

Width -50'

Vegetation none to some algae, aquatic on sides

Bottom rock, silt

Current mod

Shore wooded

Distance from shore -25'

Temperature: Air 78

Water 74

Time 1:30

Weather cloudy

Depth of Capture

Depth of Water -3' +

Method of Capture net

Date 8/13/49

Collected by RH + GS Gibbs

Orig. preserv. Pot. cyanide

Time 12:30 - 1:30 PM

General notes:

Heteraena americana - com.

Access. # 292847

NA-602

Rev. R. L. Gibbs, Jr.

Survey N.J.

Drainage

Coll. No. 2

Locality

Cape May - sand dunes near lighthouse

County

Cape May

Quadrangle

Elevation

Water

none

Flow

Width

Vegetation

grasses

Bottom

sand

Current

Shore

Distance from shore

Temperature: Air

Water

Time

Weather

clear

Depth of Capture

Depth of Water

Method of Capture

net

Date

9-12-49

Collected by

Gibbs

Orig. preserv.

Pot. cyanide

Time

?

General notes:

Anax junius - 1 caught

Survey Md.
Drainage _____ Coll. No. 3
Locality Ponds at Sandy Point (near Matapeake Ferry)
County Anne Arundel Quadrangle _____ Elevation _____
Water clear, white Flow _____ Width - 500'
Vegetation reeds, cattails
Bottom sand, mud Current _____
Shore wooded to open Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date 7/16/50
Collected by Gibbs
Orig. preserv. Pot. cyanide Time _____
General notes:

Cannacia gravida

Libellula auripinnis

Erythrodiplax berenice

Survey Md.

Drainage _____ Coll. No. 4

Locality Fresh Pond, on Gibson Is. Rd. - near Lake Shore

County Anne Arundel Quadrangle _____ Elevation _____

Water Clear, white Flow _____ Width - 600'±

Vegetation cattails, reeds; sphagnum, sundew, pitcher plant on
s. side - a bog

Bottom sand, mud Current _____

Shore wooded Distance from shore _____

Temperature: Air _____ Water _____ Time 1-4 PM Weather clear

Depth of Capture _____ Depth of Water _____

Method of Capture net Date 7-16-50

Collected by Gibbs & Donnelly

Orig. preserv. Pot. cyanide Time _____

General notes:

Anax junius - seen (1 exuvia found)

? Macromia _____ - seen pos. Anax longipes

Libellula pulchella - seen

Libellula cyanea

Libellula incesta

Nannothemis bella - ab. in one locale

Pachydiplax longipennis -

Lestes vigilax

Enallagma _____

Ischnura ramburii -

Anomalagrion hastatum - seen

Survey Md.
Drainage _____ Coll. No. 5
Locality _____
County Anne Arundel Quadrangle _____ Elevation _____
Water Clear, white Flow _____ Width -6'
Vegetation Sparse
Bottom ruddle Current _____
Shore wooded Distance from shore _____
Temperature: Air _____ Water _____ Time 4:30-5PM Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date 7-16-50
Collected by Gibbs
Orig. preserv. Pot. cyanide Time _____
General notes:

Agrion maculatum - ♂ + ♀

Survey Md.
Drainage _____ Coll. No. 6
Locality Pond 1/2 mi. n. of rt. 50 on dirt road opposite 611

County Worcester Quadrangle _____ Elevation -300'
Water clear, white Flow _____ Width -300'
Vegetation cottails, reeds (?)

Bottom sand Current _____
Shore partly wooded Distance from shore _____
Temperature: Air _____ Water _____ Time ~~2:30 PM~~ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date 8-5-50
Collected by Gibbs
Orig. preserv. Pot. cyanide Time 3:30 - 5 PM
General notes:

Anax junius - seen

Macromia _____ - seen

Libellula auripinnis - 1

Erithemis simplicicollis - 2

Pachydiplax longipennis - 2

Survey ~~At~~ Va.
Drainage _____ Coll. No. 7
Locality 1 mi. ± S. of Leesburg on hwy. Md. 7 - open field
County Loudoun _____ Quadrangle _____ Elevation _____
Water slight _____ Flow _____ Width _____
Vegetation grass, cattail
Bottom mud _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net _____ Date 7-29-50
Collected by Gibbs + Bowker
Orig. preserv. Pot. cyanide _____ Time ?
General notes:

Libellula pulchella

Libellula lydia - seen

Simpetrum semicinctum - 2

Survey Md.
Drainage _____ Coll. No. 8
Locality Pool under unused bridge near White's Ferry -
above Leesburg
County Montgomery Quadrangle _____ Elevation _____
Water stagnant Flow _____ Width _____
Vegetation ?
Bottom mud Current _____
Shore shrubby Distance from shore _____
Temperature: Air _____ Water _____ Time ? Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date 7-29-50
Collected by Gibbs & Bowker
Orig. preserv. Pot. cyanide Time _____
General notes:

Libellula luctuosa - 4

Libellula pulchella - seen

Cypress Swamp

Survey Md.
Drainage _____ Coll. No. 9
Locality _____
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date 7-30-50
Collected by _____
Orig. preserv. _____ Time _____
General notes:

Argia violacea - 1

Agrion maculatus - sev

Survey Md.

Drainage

Coll. No. 10

Locality

slightly before Cove Point - side roads & paths to beach

County

Quadrangle

Elevation

Water

Flow

Width

Vegetation

Bottom

Current

Shore

Distance from shore

Temperature: Air

Water

Time

Weather

Depth of Capture

Depth of Water

Method of Capture

Date 7-30-50

Collected by

Orig. preserv.

Time

General notes:

on way home

Survey Md.

Drainage _____ Coll. No. 11

Locality _____

County _____ Quadrangle _____ Elevation _____

Water _____ Flow _____ Width _____

Vegetation _____

Bottom _____ Current _____

Shore _____ Distance from shore _____

Temperature: Air _____ Water _____ Time _____ Weather _____

Depth of Capture _____ Depth of Water _____

Method of Capture _____ Date 7-30-50

Collected by _____

Orig. preserv. _____ Time _____

General notes:

Survey Mass.
Drainage Pond Coll. No. 12
Locality Flax Lake, n. of N. Falmouth, across from
Sanitarium
County Barnstable Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width 300'+
Vegetation grasses (sedge?)

Bottom sand, mud Current _____
Shore wooded Distance from shore _____
Temperature: Air _____ Water _____ Time 3-5 PM Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture nets Date 8-13-50
Collected by Gibbs & Bowker
Orig. preserv. Pot. cyanide Time _____
General notes:

✓ Anax junius - ♂ of mating pair caught, found
head of ♀, not body

✓ Celithemis mortua - sev. 1♂

celithemis elisa - 1

✓ Lestes vigilax - 1♂ 1♀

✓ Enallagma sp. dubio - 1♂ 1♀

Survey Moss.

Drainage

Coll. No. 13

Locality Pond adjoining Silver Beach, N. Falmouth

County Barnstable Quadrangle

Elevation

Water white, clear Flow

Width -100'±

Vegetation cattails, reeds(?)

Bottom sand, mud

Current

Shore open, shrubby

Distance from shore

Temperature: Air

Water

Time

Weather clear

Depth of Capture

Depth of Water

Method of Capture net

Date 8-20-51

Collected by Gibbs (+ Bowker watching)

Orig. preserv. Pot. cyanide

Time

General notes:

Erithemis simplicicollis - 1

Perithemis domitia - few seen

Anax junius - few seen

Libellula pulchella - few seen

? Lestes vigilax - com. seen

Enallagma sp.

Survey Mass.
Drainage _____ Coll. No. 14
Locality Pond adjoining Silver Beach, N. Falmouth
County Barnstable Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width -100' ±
Vegetation Cattails, reeds(?)
Bottom sand, mud Current _____
Shore open, shrubby Distance from shore _____
Temperature: Air _____ Water _____ Time 3-5:30 PM Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date 9-2-50
Collected by Gibbs & Bowker
Orig. preserv. Pot. cyanide Time _____
General notes:

Simpetrum ^{rubicundulum (?)} ~~semicinctum~~ - ab.

Pachydiplax longipennis - com.

Erithemis simplicicollis - few

Libellula pulchella - 3 ♂ caught

Libellula cyanea - 1

Libellula ^{probably tricolor} auripinnis - sev. seen

Aeschna sp? - few seen

Anax junius - 1 ♂ caught

Enallagma sp. - seen

? Lestes vigilax - 2 caught (♀ & ♂)

Survey Mass.
Drainage _____ Coll. No. 15
Locality Flax Lake, N. of N. Falmouth, across from
Sanitarium
County Barnstable Quadrangle _____ Elevation _____
Water Clear, white Flow _____ Width 300'
Vegetation reeds(?)

Bottom Sand, mud Current _____
Shore Wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture net Depth of Water _____
Method of Capture net Date 9-2-50
Collected by Gibbs + Bowler
Orig. preserv. Pot. Cyanide Time _____
General notes:

Anax junius - seen

Aeschna sp. - seen

Gelithemis martha -

Simpetrum sp. -

Lestes vigilax - seen

Enallagma sp. - seen

✓

Survey Mass.
Drainage _____ Coll. No. 16
Locality Pond on n. side of hwy. 151, east of Coonamessett
Corner
County Barnstable Quadrangle _____ Elevation _____
Water none Flow _____ Width 100'
Vegetation cattails, reeds, etc.

Bottom mud Current _____
Shore wooded + road Distance from shore _____
Temperature: Air _____ Water _____ Time 3:30-4PM Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date 8-4-50
Collected by Gibbs + Bowker
Orig. preserv. Pot. cyanide Time _____

General notes:

Simpetrum rubicundulum - few

Anax junius - seen

Aeshna sp. - seen

Libellula pulchella - seen

✓

Survey Mass.
Drainage _____ Coll. No. 17
Locality Pond on S. side of hwy. 151, above Coonamessett
Corner
County Barnstable Quadrangle _____ Elevation _____
Water clear, white Flow _____ Width - 300'
Vegetation reeds; sphognum + sundew on edge
Bottom sand, mud Current _____
Shore wooded Distance from shore _____
Temperature: Air _____ Water _____ Time 4-6 PM Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date 9-4-50
Collected by Gibbs + Bowker
Orig. preserv. Pot. Cyanide Time _____
General notes:

Aeshna clepsydra - 3 caught

Anax junius - seen

Libellula auripinnis - sev. seen

Erythemis simplicicollis - 1 seen

Survey N.J.

Drainage _____ Coll. No. 18

Locality Bennett Bog, near Cape May

County Cape May Quadrangle _____ Elevation _____

Water Little-white, clear Flow none Width _____

Vegetation reeds

Bottom _____ Current _____

Shore _____ Distance from shore _____

Temperature: Air _____ Water _____ Time 11:15-11:45^{AM} Weather clear

Depth of Capture _____ Depth of Water _____

Method of Capture Net Date Sept. 15, 1950

Collected by Gibbs & Bowker

Orig. preserv. Pot. cyanide Time _____

General notes:

Sympetrum

Anax

Libellula pulchella (?)

Survey Maine

Drainage Atlantic

Coll. No. 101

Locality Webhannet R., on Maine Turnpike (Portland turnpike)

County York

Quadrangle

Elevation

Water Brown

Flow 104 ft.

Width - 20'

Vegetation algae; grasses in open spots

Bottom rock, stony, some muck

Current mod-slow

Shore wooded

Distance from shore - 10'

Temperature: Air

Water

Time 1:00

Weather clear

Depth of Capture

Depth of Water

Method of Capture net

Date June 10, 1951

Collected by RH & SP Gibbs

Orig. preserv. envelopes

Time 11:30 - 1:00 PM

General notes:

Basiaeschna janata

- 4 ♂ (1 to DJB)

Hebrordulia

Tetragoneuria ahleri

- 5 (4 ♂ 1 ♀) (1 ♂ 1 ♀ to DJB)

Agrion

maculatum

- 1 ♂

Ishnura

verticalis

- 1 ♂

Survey Maine

Drainage

Coll. No. 102

Locality Nickerson Pond, on hill opposite residence of Capt. Lowden
approx. 1 mi. S. of East Boothbay

County Lincoln

Quadrangle Boothbay

Elevation

Water white

Flow very slow (?)

Width 100'

Vegetation rushes, pond lilies, submerged — abundant
sunken

Bottom humus

Current —

Shore wooded

Distance from shore — 50'

Temperature: Air

Water

Time 1:00 PM

Weather partly cloudy

Depth of Capture

Depth of Water — 2'

Method of Capture net

Date June 11, 1951

Collected by RH & SP Gibbs

Orig. preserv. envelopes

Time 11:00 - 1:00

General notes:

21 Libellula exusta - ab. (Ladona julia) - 19♂ 5♀
(2♂ 1♀ to DJB)

✓ Leucorrhinia glacialis - 1♂, 1 seen

✓ Leucorrhinia intacta - 3 ad. ♂

✓ Cordulia ^{shurtletti} ~~shuferti~~ - 2♂

31 Lestes eurinus - 3♂ 1♀ (1♂ to DJB)

6 Enallagma boreale - 5♂ 3♀
(1♂ 1♀ to DJB)

✓ Ischnura verticalis - 2♀

Survey Maine
Drainage Atlantic (Muscogus Sound) Coll. No. 103
Locality Wetters Pond, north end
County Lincoln Quadrangle Monhegan Elevation 810'
Water White, clear Flow — Width 1500 ±'
Vegetation grass, pond lilies
Bottom humus Current —
Shore wooded Distance from shore — 50'
Temperature: Air — Water — Time 3:00 Weather pt. cloudy
Depth of Capture — Depth of Water —
Method of Capture net Date June 12, 1951
Collected by RH & SP Gibbs & D.O. Berror
Orig. preserv. Pot. cyanide Time 3:00 - 3:30
General notes:

✓ Nannothemis bella - sev. (3♂ 5♀)

Ladona exusta - seen

Libellula quadrimaculata - seen

✓ Celithemis elisa - 1 teneral ♂

✓ Leucorrhinia intacta (2♂ 1♀)

✓ Enallagma boreale 2♂

✓ Ischnura verticalis - (3♂ 3♀)

✓ Lestes vigilax - ab 5♂ 5♀

✓ Enallagma hageni - 2♂

Survey Maine
Drainage _____ Coll. No. 104
Locality Road between McCurdy & Pemiguid Ponds
County Lincoln Quadrangle _____ Elevation _____
Water clear, white Flow _____ Width _____
Vegetation reeds, lilies
Bottom sand, humus, mud Current _____
Shore open (road) & wooded Distance from shore - 150'
Temperature: Air _____ Water _____ Time 3:45-4:00 Weather pt. cloudy
Depth of Capture _____ Depth of Water _____
Method of Capture net Date June 12, 1951
Collected by RH & SP Gibbs & D.O. Borror
Orig. preserv. Pot. cyanide Time _____
General notes:

- ✓ Leucorrhinia intacta - 3♂
- ✓ Tetragoneuria ~~in~~ cynosura vibrans - 1♂
- ✓ Tetragoneuria spinigera - 1♂
- ✓ Ladona exusta - seen
- ✓ Lestes vigilax - 1♂
- ✓ Ischnura verticalis - 1♀

Survey Maine
Drainage _____ Coll. No. 105
Locality Tel. pole 160 on road that goes betw. McCurdy
& Pemaguid Ponds - Woods bog on E of road, E. of ponds
County Lincoln Quadrangle _____ Elevation _____
Water brown, clear Flow — Width 30'
Vegetation bog
Bottom humus Current —
Shore wooded Distance from shore 10'
Temperature: Air — Water — Time 4:00-4:30 Weather pt. cloudy
Depth of Capture — Depth of Water — ?
Method of Capture net Date June 12, 1951
Collected by BH & SP Gibbs & D.O. Borror
Orig. preserv. Pot. cyanide Time _____
General notes:

✓ Leucorrhinia intacta - 1♂

✓ Leucorrhinia proxima - 2♂ 1♀

✓ Leucorrhinia hudsonica - 2♂

✓ Cordulia shurtletffi - 2♂

✓ Enallagma boreale - ⁴6♂ 2♀

✓ Ischnura verticalis - 1♀

✓ Nehallania itene - 1♂

Enallagma hageni - 2♂

OK ✓

Survey Maine
Drainage _____ Coll. No. 106
Locality Pond on West side of road 1/2 mi. S of New Harbor
County Lincoln Quadrangle _____ Elevation _____
Water Brown, clear Flow _____ Width 40'
Vegetation cattails, grasses, alder
Bottom humus Current _____
Shore shrubby - wooded Distance from shore 5'
Temperature: Air _____ Water _____ Time 9:30 Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date June 13, 1951
Collected by RH & SP Gibbs
Orig. preserv. pot. cyanide Time 9:00 - 9:30 A.M.
General notes:

Ladona exusta - 2 ♀, 1 more seen
all teneral

Ichnura verticalis - sev. seen - (1 ♀ gray)

Enallagma hogeni - 1 ♂

✓

Survey Maine
Drainage _____ Coll. No. 107
Locality Bog south of Biscay Pond, S. of road that meets Me. 32
at SW corner of Webbers Pond
County Lincoln Quadrangle Monhegan Elevation _____
Water Brown, clear Flow _____ Width _____
Vegetation reeds, alder, sphagnum
Bottom humus Current _____
Shore wooded Distance from shore _____
Temperature: Air _____ Water _____ Time 9:30 Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date June 13, 1951
Collected by BH & SP Gibbs
Orig. preserv. pot. cyanide Time 9:00 - 9:30 A.M.
General notes:

Libellula quadrimaculata - 5 ♂

Leucorrhinia intacta - 1 ♀ (?)

Enallagma geminatum - 1 ♂ (?) sent to Dr. Borror
= Coenagrion resolutum - 1 ♂

Survey Maine

Drainage _____

Coll. No. 108 (same/103)

Locality Webber's Pond

County Lincoln

Quadrangle _____

Elevation _____

Water _____

Flow _____

Width _____

Vegetation _____

Bottom _____

Current _____

Shore _____

Distance from shore _____

Temperature: Air _____

Water _____

Time _____

Weather clear

Depth of Capture _____

Depth of Water _____

Method of Capture _____

Date June 13, 1951

Collected by RH & SP Gibbs

Orig. preserv. /

Time 10:30 - 10:00

General notes:

Ladona ^{exusta} exutis - 4 ♂ 5 ♀

Leucorrhinia intacta - 1 ♂

Nannothemis bella

Libellula quadrinotata - 1 ♂

Celithemis elisa - 1 ♂

Survey Maine

Drainage _____ Coll. No. 109 (same / 104)

Locality Road betw. Pemaquid & M'Curdy Ponds

County Lincoln

Quadrangle _____

Elevation _____

Water _____

Flow _____

Width _____

Vegetation _____

Bottom _____

Current _____

Shore _____

Distance from shore _____

Temperature: Air _____

Water _____

Time _____

Weather clear

Depth of Capture _____

Depth of Water _____

Method of Capture _____

Date June 13, 1951

Collected by _____

RH & SP Gibbs

Orig. preserv. _____

Time 11:15-12:00

General notes:

✓ *Ladona* ^{*exusta*} ~~*exsulis*~~ - 1 ♂ 2 ♀

✓ *Leucorrhinia intacta* - 2 ♂

✓ *Tetragoneuria* ^{*cynosura*} *spinigera* - 2 ♂

✓ *Enallagma hageni* - 1 ♂ 1 ♀

✓ *Lestes inequalis* - 1 ♀

✓ *Ischnura verticalis* (s.) 1 ♀ (orange)
^{*viridis*}

✓ *Enallagma boreale* ? 1 ♂

note to Dr. Brown

Survey Maine

Drainage

Coll. No. 110

Locality Tel. pole 170 & surrounding area along road that leads between McCurdy & Pemaguid Ponds, SE end of Pemaguid

County Lincoln

Quadrangle Waldoboro

Elevation

Water sparse

Flow

Width

Vegetation woods; some reeds

Bottom

Current

Shore

Distance from shore

Temperature: Air

Water

Time 12:15-2:00

Weather clear

Depth of Capture

Depth of Water

Method of Capture

net

Date

June 13, 1951

Collected by

RH & SP Gibbs

Orig. preserv.

pot. cyanide

Time

General notes:

✓ Somatoclora kennedyi - 1♂ 2♀

✓ Gomphaeshna ^{fulvicollata} ~~fulvata~~ - 3♂

✓ Gomphus exilis (?) - 4♂

✓ Kibellula quadrimaculata - 2♂

✓ Ladona exusta (?) - 1♀

✓ Tetragoneuria cynosura - 1♂ 2♀

✓ Enallagma hageni - 2♂

✓ Enallagma boreale - 1♂ = boreale

~~Gomphus exilis - 4♂~~

Survey Maine
Drainage _____ Coll. No. 111 (same/105)
Locality Bog ~~at~~ E. of road betw. Pemaguid & Mcurdy Ponds
E. of ponds
County Lincoln Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time 2:00 - 3:30 Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date June 13, 1951
Collected by RH & SP Gibbs
Orig. preserv. _____ Time _____
General notes:

✓ Didymops transversa - 3 ♂ 1 ♀

✓ Leucorrhinia intacta

✓ " hudsonica
✓ " proxima

1 ♂
6 ♂
6 ♂ 2 ♀

✓ Tetragoneura cynosura - 2 ♂

✓ Gomphaesha furcillata - 2 ♂

✓ Libellula quadrimaculata - 2 ♂

✓ Ladona exusta - 1 ♂ 2 ♀

✓ Ernolagma boreale - 2 ♂ 2 ♀

✓ Melallenia irene - 1 ♂

✓

Survey Maine
Drainage _____ Coll. No. 112
Locality N. end of North Pond where road crosses stream
County Knox Quadrangle Waldoboro Elevation _____
Water Brown, clear Flow ~~slow~~ 150 c.f. Width 50'
Vegetation lilies, reeds
Bottom humus Current slow
Shore partly wooded Distance from shore 10'
Temperature: Air _____ Water _____ Time 4:00-4:30 Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date June 13, 1951
Collected by BH & SP Gibbs
Orig. preserv. pot. cyanide Time _____
General notes:

✓ Tetragoneuria cynosura - 7♂ 1♀

✓ Basiaeschna janata - 5♂

✓ Gomphus exilis - 2♂ 4♀

✓ Celithermis elisa - 1♀

✓ Didymops transversa - 1♂

✓ Agriocnemis maculatum - 1♀

✓ Leucostictes vigilax - 1♀

✓ Argia violacea - 1♂ 1♀ (pool)

✓ Enallagma divagans 7♀ 1♂

Survey Mass.

Drainage

Coll. No. 113

Locality Pond at Silver Beach

County Barnstable

Quadrangle

Elevation

Water Black, clear

Flow

Width - 50'

Vegetation cattails, reeds, mallows, poison ivy

Bottom sand, humus

Current

Shore shrubby woods + road

Distance from shore - 20'

Temperature: Air

Water

Time 9:45-10:15

Weather pt. cloudy

Depth of Capture

Depth of Water

Method of Capture net

Date June 17, 1951

Collected by BH & SP Gibbs

Orig. preserv. pot. cyanide

Time

General notes:

Enallagma

Ichnura verticalis - 1 ♂ 2 ♀

Ladona julia exusta - 1 ♂ seen

Leucorrhinia frigida - 1 ♂ seen

Gomphus

~~Tetraneurina sp. - abdomen gone
Libellula cyanea - 1 ♂
Libellula auripennis - 1 ♀ (ab. gone)
Ladona deplanata - 1 ♂~~

discarded - correct collection

unknown

Survey Mass.

Drainage _____ Coll. No. 114

Locality Flax Pond near Co. Sanitarium

County Barnstable Quadrangle _____ Elevation _____

Water white, clear Flow _____ Width _____

Vegetation reeds, cattails

Bottom sand, humus Current _____

Shore open at first, then wooded Distance from shore _____

Temperature: Air _____ Water _____ Time 11:00-1:00 Weather pt. cloudy

Depth of Capture _____ Depth of Water _____

Method of Capture net Date June 17, 1951

Collected by RH & SP Gibbs

Orig. preserv. pot. cyanide Time _____

General notes:

Anax junius - 1 ♂ seen

✓ Ladona exusta - 6 ♂ 2 ♀

✓ Celithemis elisa - 1 ♂ 2 ♀

✓ Enallagma tegmentum 9 ♂ 4 ♀

✓ (?) Ladona deplanata - 1 ♂

✓ (?) Gomphus exilis - 2 ♂ 2 ♀

✓ Lestes vigilax - 1 ♀

all
L. deplanata

Survey Mass.

Drainage

Coll. No. 115

Locality Pond on rt. 151 (Flashy Pond), 1.7 mi. E of jct. of Sandwich Rd.

County Barnstable

Quadrangle Falmouth

Elevation

Water Brown, clear

Flow None

Width 300'

Vegetation reeds

Bottom sand, mostly humus

Current

Shore wooded

Distance from shore - 15'

Temperature: Air

Water

Time 3:00-5:00 Weather pt. cloudy

Depth of Capture

Depth of Water

Method of Capture net

Date June 17, 1951

Collected by RH & SP Gibbs

Orig. preserv. pot. cyanide

Time

General notes:

Anax junius - 1 ♂ ♀

Ladona ^{deplanata} exusta - 4 ♂

Libellula cyanea - 1 ♂

Libellula auripennis - 1 ♂ (disc.)

Erithemis simplicicollis - 1 ♂ (discarded ex. wings)

Celithemis elisa - 5 ♂ (2 ♂ disc.) } all elisa

Celithemis martha - 1 ♂

CHECK
VARIATION
in wing spots

Lestes ^{eurinus} uncinatus - 2 ♂ 2 ♀

Enallagma hageni - 1 ♂

Ischnura ^{verticalis} verticalis - 2 ♀

Enallagma ^{doubledayi} canadense - 2 ♂

Leucocritania ^{frigida} frugiperda - 1 ♀ ~~check~~

Leucocritania frigida - 5 ♂

Survey Mass.
Drainage _____ Coll. No. 116 (same as 115)
Locality Flashy Pond, 1.7 mi. E of jct. of Sandwich Rd. on
Mass. rt. 28 151
County Barnstable Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time 11:00-1:30 Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date June 25, 1951
Collected by BH & SP Gibbs
Orig. preserv. none Time 11:00-1:30 PM

General notes:

- ✓ Anax longipes - 1 ♀
- ✓ Anax junius - 2 ♂ 2 ♀
- ✓ Tramea carolina - 3 ♂
- ✓ Libellula cyanea - 1 ♂ 1 ♀
- ✓ L. pulchella - 1 ♂
- ✓ L. auripennis - 7 ♂ (2 in tandem) 1 ♀
- ✓ L. incesta - 3 ♂
- ✓ Coloburiscus ~~erecta~~ ^{variegata} 2 ♀
- ✓ Erythemis simplicicollis - 1 ♂ 1 ♀
- ✓ Coloburiscus - Ph. - 1 ♂ 2 ♀
- ✓ Leucorrhinia frigida - 10 ♂ 1 ♀
- ✓ Ladona ~~deplanata~~ ^{deplanata} 3 ♂ 1 ♀
- ^{doubleday:}
✓ Enallagma ~~miniaceum~~ ^{double day} - 1 ♂ 1 ♀ (2) one May 29
- ✓ Plates outmus - 2 ♂

Anax longipes - 1 ♀. This was quite a surprise, to find on July 15 that what I had believed to be a female Anax junius was really a longipes and we went through all sorts

of contortions to collect what we
believed was our first on July 3. - with
a shotgun!

This female was depositing where
caught. I saw it on a lily pad from
a distance and approached cautiously.
She went to the edge of the leaf and
probed with her abdomen beneath
the water. In catching her, my
net scooped up water, plant,
Anas, and all. But what a
prize! I noticed at the time
her large size, but little did
I realize the value of my catch.

✓

Survey Mass.
Drainage _____ Coll. No. 117 East
Locality Grassy Pond, N of rt. 151 about 1/2 mi. from jct. of Sandwich Rd.
County Barnstable Quadrangle Falmouth Elevation _____
Water clear, white(?) Flow none Width - 150'
Vegetation grasses, reeds
Bottom humus Current _____
Shore pt. wooded Distance from shore - 25'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date June 25, 1951
Collected by RH & SP Gibbs
Orig. preserv. none (pot. cyanide) Time 4:30 - 5:00 PM
General notes:

Wanax junius - 1 ♂
Urechis elisa - 1 ♂
Leucorhina frigida - 1 ♂
Urechis caupo - 1 ♂
[?] Ischnura verticalis - 2 ♂ 4 ♀
[?] Enallagma doubledayi - 1 ♂
Enallagma hyemalis - 1 ♂
recurvum

Survey Mass.
Drainage _____ Coll. No. 118
Locality Deep Pond, about 1 1/2 mi. NW of jct. Sam Turner Rd.
& Sandwich Rd. on Sam Turner
County Barnstable Quadrangle Falmouth Elevation _____
Water Brown (?), clear Flow none Width - 300' ±
Vegetation reeds, grass, pond lilies
Bottom humus Current _____
Shore wooded & shrubby Distance from shore onshore
Temperature: Air _____ Water _____ Time _____ Weather cloudy
Depth of Capture _____ Depth of Water _____
Method of Capture net Date June 27, 1951
Collected by BH & SP Gibbs
Orig. preserv. pot. cyanide Time 11:30-12:00 AM
General notes:

Erythemis simplicicollis - 1 ♀
Libellula vibrans - 1 ♀
incesta

Survey Mass.

Drainage _____

Coll. No. 119

Locality Unnamed pond on N. side of rt. 151, 1.4 mi. E of jct. Sandwich Rd.

County Barnstable

Quadrangle Falmouth

Elevation _____

Water Brown

Flow none

Width 50'

Vegetation grasses, pond lilies, some cattail

Bottom humus

Current none

Shore wooded (road on 1 side)

Distance from shore 25'

Temperature: Air _____

Water _____

Time _____

Weather cloudy

Depth of Capture _____

Depth of Water _____

Method of Capture net

Date June 29, 1951

Collected by RH & SP Gibbs

Orig. preserv. pot. cyanide

Time 1:30 - 2:00 PM

General notes:

Many teneralis flew up, but few adults seen.

Celithemis elisa - 2 ♀

Sympetrum rubicundulum - 4 ♂ 2 ♀

Aeschna undulatus - 3 ♀ - ?

Survey Mass.

Drainage

Coll. No. 120

Locality Pond beside dried bed of Childs R., 500' S of Road, 1.7 mi. E of jct. 151 & Sandwich Rd. on 151

County Barnstable Quadrangle Falmouth Elevation

Water brown (?), clear Flow none Width - 150'

Vegetation much grass; pond lilies

Bottom humus

Current

Shore wooded to shrubby

Distance from shore - 75'

Temperature: Air

Water

Time

Weather pt. cloudy

Depth of Capture

Depth of Water

Method of Capture net

Date June 29, 1951

Collected by BH & SP Gibbs

Orig. preserv. pot. cyanide

Time 2:00 - 2:30 PM

General notes:

Tramea carolina - 1 ♂

Anax junius - 1 ♂ seen

Ischnura verticalis - seen, common

Sympetrum sp. - seen, com.

Survey Mass.

Drainage

Coll. No. 121

Locality Unnamed pond on S. side of rt. 151, 2.0 mi.
E from jct. Sandwich Rd.

County Barnstable

Quadrangle Falmouth

Elevation

Water white(?), clear

Flow none

Width - 300' +

Vegetation grasses, reeds - boggy at edges

Bottom sand, humus

Current

Shore wooded

Distance from shore - 10'

Temperature: Air

Water

Time

Weather pt. cloudy

Depth of Capture

Depth of Water

Method of Capture net

Date June 29, 1951

Collected by RH & SP Gibbs

Orig. preserv. pot. cyanide

Time 2:30 - 3:30 PM

General notes:

Anax junius - sev. seen; 1 pr. in tandem

Libellula cyanea - seen, com.

Libellula incesta - seen, few.

Erythemis simplicicollis - seen

Erythemis elisa - 2♂ 1♀

Zostera purinus - 3♂ 1♀

Erythemis aspersum - 2♂ 1♀

Erythemis ^{doubledayi} ~~canadensis~~ - 1♂ 1♀

Plathemis lydia - 1♂

Libellula auripennis - 1♂

(?) Ladona deplanata - 3♂ }
(?) Ladona ~~exata~~ - 1♀ }

✓

Survey Mass.
Drainage _____ Coll. No. 122
Locality Martha Pond (N. of Rd.) - about 1/2 mi. N on
dirt rd. 1.9 mi. E of jct. of 151 & Sandwich Rd. on 151
County Barnstable Quadrangle Falmouth Elevation _____
Water white(?), clear Flow none Width - 400' +
Vegetation reeds, pond lilies, grasses

Bottom humus Current _____
Shore wooded Distance from shore - 10'
Temperature: Air _____ Water _____ Time _____ Weather cloudy
Depth of Capture _____ Depth of Water _____
Method of Capture net Date June 29, 1951
Collected by BH & SP Gibbs
Orig. preserv. pot. cyarride Time 3:45 - 4:15 PM
General notes:

Many teneralis seen:

- ✓ Lestes eurinus - 1♂
- ✓ Sympetrum sp. rubicundulum - 2♂
- ✓ Erythemis simplicicollis - 1♂
- Celithemis elisa - seen
- ✓ (?) Lestes metangularis - 1♂
- ✓ (?) Enallagma sp. - 1♂ not recorded -

Survey Mass.
Drainage _____ Coll. No. 123
Locality Field beside salt marsh creek - east of school st, Woods
Hole .1 mile north of school
County Barnstable Quadrangle Woods Hole Elevation sea level
Water _____ Flow _____ Width _____
Vegetation Grasses

Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air 75° Water _____ Time 4:15-4:30 Weather Partly cloudy
Depth of Capture _____ Depth of Water _____
Method of Capture Net Date JUNE 30, '51
Collected by S.P. Gibbs and J. Taylor
Orig. preserv. pot. cyanide Time 4:15-4:30 PM
General notes:

Libellula ^{needhami} ~~auripennis~~

1 ♂

Erythrodiplex brenice

4 ♂ + 8 ♀

4

Survey Mass.
Drainage _____ Coll. No. 124 (same as 115)
Locality Finch
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather cloudy-rain
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 1, 1951
Collected by RH & SP Gibbs
Orig. preserv. pot. cyanide Time 3:00 - 4:00
General notes:

Almost nothing on lake. Surrounding shrubby
land teeming w/ Celithemis martha, a
few Libellula auripennis & L. cyanea,
Celithemis elisa, Plathemis lydia, Enallagma,
and Ischnura verticalis.

Caught:

Enallagma _____

Celithemis martha - 20 29

C. elisa - 10 19

Erythemis simplicicollis - 10 19

Sympetrum rubicundulum - 10 19

Enallagma doubledayi - 40

~~Enallagma _____~~

~~Enallagma _____~~

Lestes disjunctus - 19

L. forcipatus - 19

Survey Mass

Drainage _____ Coll. No. 125

Locality Quashnet River on each side of rt. 151 about $\frac{3}{4}$ mi. E of Flashy Pond (cranberry bog area and remainder)

County Barnstable Quadrangle Falmouth Elevation _____

Water white, clear Flow 20 cu. ft. Width - 15+

Vegetation Ceratophyllum, other fast-water plants

Bottom gravel Current mod

Shore cranberry bog to woods Distance from shore - 10'

Temperature: Air _____ Water _____ Time 4:00-4:30 Weather cloudy

Depth of Capture _____ Depth of Water _____

Method of Capture net Date July 1, 1951

Collected by BH & SP Gibbs

Orig. preserv. Pot. cyanide Time 4:00-4:30

General notes:

Ischnura ^{posita} ramburi - 7♂ 2♀

Agrius maculatus - 1♂

Survey Mass
Drainage _____ Coll. No. 126 (same as 115)
Locality Flashy Pond

County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____

Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net & shotgun Date July 3, 1951
Collected by RH & SP Gibbs
Orig. preserv. pot. cyanide Time 1:15 - 2:15
General notes:

- ✓ ANAX LONGIPES - 1 ♂ ! via shotgun w/#9
- ✓ Anax junius - 1 ♂ 1 ♀ in tandem on ground
- ✓ Libellula auripennis - 1 ♂
- ✓ Ladona deplanata - 1 ♀
- ✓ Erythemis simplicicollis - 1 ♂
- ✓ Tramea carolina - 1 ♂ (broken badly)
- ✓ Lestes vigilax - 1 ♀ (abdomen broken)
- ✓ Leucorhinia frigida - 2 ♂

12

Survey Mass.
Drainage Buzzards Bay Coll. No. 127
Locality Salt marsh at Sippewisset Beach
County Barnstable Quadrangle Woods Hole Elevation _____
Water Salt Flow _____ Width _____
Vegetation Cord grass
Bottom Flats Current Tide low
Shore _____ Distance from shore _____
Temperature: Air 80° Water _____ Time 4:15 Weather Fair
Depth of Capture _____ Depth of Water _____
Method of Capture Net Date July 4, 1951
Collected by S.P. Gibbs + Jim Taylor
Orig. preserv. Pot. cyanide Time 4:10 - 9:30 AM
General notes:

Marsh was Teeming with Erythrodiplex bernice

Libellula euripeanlis? - 1 seen

Erythrodiplex bernice 3 ♀ 1 ♂ with
3 wings

Survey Mass.

Drainage

Coll. No. 129 128

Locality Coonamessett River at bridge where rt. 28
crosses & N. side of bridge to cranberry bog

County Barnstable Quadrangle Falmouth Elevation

Water Brown, clear Flow mod 40 Width - 35'

Vegetation rushes, aquatics abundant

Bottom sand, gravel

Current mod

Shore wooded

Distance from shore - 20'

Temperature: Air

Water

Time 10-11 AM Weather clear

Depth of Capture

Depth of Water

Method of Capture net

Date July 7, 1951

Collected by RH & SP Gibbs

Orig. preserv. pot. cyanide

Time

General notes:

This is a pretty little stream, clear, with shrubs and ferns grown out over the edge, providing perfect resting and hiding places for damselflies. There were numerous side pools and backwaters where *L. cyanea* and *lydia* flew.

✓ *Gomphus exilis* - 1 ♀

✓ *Libellula cyanea* - 3 ♂

✓ *Libellula pulchella* - 1 ♂

✓ *Plathemis lydia* - 1 ♂

Sympetrum ? ?

✓ *Celithemis martha* - 1 ♀

✓ *Ischnura verticalis* - 2 ♂

✓ *Ischnura* ^{posita} ~~ramburii~~ - 5 ♂ 2 ♀

✓ *Amphiagrion saucium* - 8 ♂ 6 ♀

✓ *Argia violacea* - 4 ♂

Survey Mass.

Drainage

Coll. No.

129

Locality

Mashpee River on n. side of bridge where 28(rt) crosses

County

Barnstable

Quadrangle

Cotuit

Elevation

Water

white, clear

Flow

60

Width

- 30'

Vegetation

abundant, aquatic

Bottom

sand, muck

Current

mod

Shore

wooded

Distance from shore

- 10'

Temperature: Air

Water

Time

11:15-12:44

Weather

clear

Depth of Capture

Depth of Water

Method of Capture

net

Date

July 7, 1951

Collected by

BH & SP Gibbs

Orig. preserv.

pot. cyanide

Time

General notes:

This was a fine, clear stream, literally choked with streaming vegetation. (E. L. Gibbs)

Fair-sized clupeids were abundant, even swimming into the dense plant growth and floundering. Few dragonflies were seen.

Libellula pulchella - 18 seen

Celithemis martha - 19

Amphiagrion saucium - 19

Agrion maculatum - 10

✓

Survey Mass.
Drainage _____ Coll. No. 150 (same as 115)
Locality Flooby Pond
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time 3-4 PM Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 11, 1951
Collected by RH & SP Gibbs
Orig. preserv. pot cyanide Time _____
General notes:

Anax longipes - seen - 1 exuvia
Anax junius - seen

- ✓ *Zadana deplanota* - 2♂ 1♀
- ✓ *Libellula incesta* - 3♂
- ✓ *Libellula auripennis* - 2♂
- ✓ *Celithemis elisa* - 1♂
- ✓ *C. martha* - 1♂
- ✓ *Erythemis simplicicollis* - 1♂
- ✓ *Leucorrhinia frigida* - 3♂
- ✓ *Lestes dijonensis* - 2♂
- ✓ *Lestes dijonensis* - 1♂
- ✓ *Lestes purinus* - 3♂ 1♀
- ✓ *Enallagma ^{doubtful} minusculum* - 3♂ 1♀(?)
- ✓ *E. aspersum* - 1♂

✓

Survey Mose.
Drainage _____ Coll. No. 131 (same as 120)
Locality Childs E.
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time 4-4:15 PM Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 13, 1951
Collected by RHS SP Gibbs
Orig. preserv. pot. cyanide Time _____
General notes:

Alouatta palliata

Sympetrum

- 3000

Uelithemis maculata - 1 ♂

Aestes forcipatus - 1 ♂

Francis

Survey Mass.
Drainage Flax Pond - on west of Sippewisset Ave Coll. No. 132
Locality 1/4 mile n. of Quissett cross road Francis
County Barnstable Quadrangle Woods Hole Elevation
Water clear Flow none Width 50 yds
Vegetation Algae, reeds, water lilies
Bottom sand - mud in one pile Current
Shore wooded Distance from shore
Temperature: Air 80° Water Time 4:15 Weather Fair
Depth of Capture Depth of Water
Method of Capture Net Date July 14th, 1951
Collected by S.P. Gibbs
Orig. preserv. pot. cyanide Time 4:00-4:15
General notes:

Anax junius - sev seen

Tramea carolina - 1 seen

Pachydiplax longipennis - 1♂

Celithemis elisa - 1♀

Sympetrum rubicundulum - 1♀ (discarded)

Lestes rectangularis - 1♂

Enallagma signatum - 2♂ 1♀

Aschnura verticalis - 1♀

Survey Mass.
Drainage _____ Coll. No. 133
Locality Mills River below Mill Pond S. of rt. 15 at jct. of 149
County Barnstable Quadrangle Cotuit Elevation _____
Water white, clear Flow ? Width ?
Vegetation abundant - mosses, pickerel weed, sedges, etc.
Bottom tannus, muck - gravel in streams Current mod
Shore ply. wooded Distance from shore - 10'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 15, 1951
Collected by RH & SP Gibbs
Orig. preserv. pot. cyanide Time 10-11.45 AM
General notes:

Erythemis simplicicollis - sev. seen
Ladona deplanata (?) - possibly seen

✓ *Libellula cyanea* - 2♂
✓ *Libellula pulchella* - 2♂
✓ *Pothemis lydia* - 1♂
✓ *Sympetrum semicinctum* - 3♂
~~*Sympetrum*~~

✓ *Agrius maculatum* - 10♂ 81
✓ *Amphiagrion saucium* - 4♂ 24
✓ *Argia violacea* - 3♂
✓ *Aschnura verticalis* - 1♂ 11♀ (3 orange, 1 as ♂, 7 gray)
✓ *Aschnura posita* - 1♀

Survey miss.
Drainage _____ Coll. No. 133 134
Locality Fresh Pond & unnamed ponds n.e. of rt. 28 0.4 mi
W of jet. 28 & 132 at rotary
County Barnstable Quadrangle Hyannis Elevation _____
Water clear, white Flow — Width 250'
Vegetation rushes, pond lilies
Bottom muck Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 15, 1951
Collected by RH & SP Gibbs
Orig. preserv. pot. cyanide Time 12:00 - 1:30 PM
General notes:

Libellula pulchella - sev. seen

L. aequipennis ? sev. seen

Ethemis lydia - sev. seen

✓ *Erythemis simplicicollis* - sev. seen - 1 ♀

✓ *Ladona deplanata* - 1 ♀ (caught in field)

✓ *Celithemis martha* - 2 ♂

✓ *Erythrodiplax berenice* - 1 ♂

✓ *Amphipetrum rubicundulum* - 1 ♂

✓ *Lestes disjunctus* - 1 ♂

✓ *Lestes forcipatus* - 3 ♂ 3 ♀

✓ *Enallagma aspersum* - 5 ♂

✓ *Ichnura verticalis* - 1 ♂ 1 ♀

✓

Survey Moss
Drainage _____ Coll. No. 135
Locality Mary Dunn Pond opposite pumping sta. on
Dunn Rd. (N. of Hyannis airport)
County Barnstable Quadrangle Hyannis Elevation _____
Water _____ Flow _____ Width _____
Vegetation Roads - uncommon, pond lilies
Bottom gravel-silt Current _____
Shore partly wooded Distance from shore 20'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 15, 1951
Collected by RH & SP Glibor
Orig. preserv. pot. hyalids Time 2-3 PM
General notes:

Anax longipes - 1♂ seen
Anax junius - seen

✓ *Erythemis simplicicollis* - ~~seen~~ - 1♂

✓ *Colithenarus elisa* - 1♂ (deropitated)

✓ *Sympetrum rubicundulum* - 1♂

✓ *Leucocanthia frigida* - 1♂

✓ *Lestes vigilax* - 2♂

✓ *Enallagma minusculum* - 1♂

✓ *Enallagma doubledayi* - 6♂

✓ *Ischnura verticalis* - 1♂ ⚡

Survey Mass.
 Drainage _____ Coll. No. 136
 Locality Jabinette's Pond about 2 1/2 mi. N of Rt. 28 on
Abby Rd.
 County Barnstable Quadrangle Dennis Elevation _____
 Water white, clear Flow _____ Width 200'
 Vegetation rushes, pond lilies
 Bottom gravel, silt Current _____
 Shore wooded Distance from shore 20'
 Temperature: Air _____ Water _____ Time _____ Weather clear
 Depth of Capture _____ Depth of Water _____
 Method of Capture net Date July 15, 1951
 Collected by RH & SP Gibbs
 Orig. preserv. pot. cyanide Time 3-4 PM
 General notes:

Arix junius - sex. seen

Libellula incesta - 1 ♂ 2 seen

Sympetrum rubicundulum - 1 ♂ 2 ♀
Enallagma signatum - 1 ♀



Enallagma doubleclayi - 6 ♂ (app. above)

Enallagma minusculum - 1 ♂

Enallagma aspersum - 2 ♂

Argia violacea - 1 ♂

Ischnura verticalis - 1 ♂

Ischnura kellicottii - 5 ♂ 5 ♀ (orange)

blue underside of stigma noticed
 at time of collection

Lestes vigilax - 2 ♂

Leucosticte nemoralis - 1 ♂

Survey Moss
Drainage _____ Coll. No. 137
Locality Cedar Bog
County Barnstable Quadrangle _____ Elevation _____
Water black, clear Flow _____ Width 100' ±
Vegetation dense shrubs in surrounding area, cedars + sphagnum
Bottom _____ Current _____
Shore densely shrubby woods Distance from shore 0
Temperature: Air _____ Water _____ Time _____ Weather rain (slight)
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 17, 1951
Collected by RH & SP Gibbs
Orig. preserv. pot. cyanide Time 3-4 PM
General notes:

12 ♂ 11 ♀
♂ # ♀

✓ *Neoballia gracilis* - ~~11~~
✓ *Ischnura posita* - 6♂
✓ *Ischnura verticalis* - 2♂
✓ *Sympetrum rubicundulum* - 1♂ ~~not recorded~~
✓ *Erythemis simplicicollis* - 1♀ ~~check~~

~~Anax (Hagenius?) - 1~~ ^{probably not} seen

~~*Ischnura* ♀ - ?~~ *I. posita* - 3♀
I. verticalis - 1♀
✓ *Enallagma* ♀
✓ *Lestes vigilax* - 1♂
✓ *L. rectangularis* - 1♂
✓ *L. disjunctus* - 1♀

Survey Moss.
Drainage _____ Coll. No. 138
Locality Field
County Barnstable Quadrangle Woods Hole Elevation _____
Water _____ Flow _____ Width _____
Vegetation Grasses, milkweed
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather Partly cloudy
Depth of Capture _____ Depth of Water _____
Method of Capture Net Date July 19, 1951
Collected by S. P. Gibbs and Mary Reilly
Orig. preserv. POT. cyanide Time 10:45-11:15
General notes:

Wash

Survey Mass.
Drainage _____ Coll. No. 139
Locality Salt Marsh around Eastham town landing on
Salt Pond Bay
County Barnstable Quadrangle Orleans Elevation _____
Water salt Flow _____ Width _____
Vegetation dense grasses & rushes
Bottom muck Current _____
Shore grassy Distance from shore 0
Temperature: Air _____ Water _____ Time 12-1:00 AM Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 21, 1951
Collected by RH & SP Gibbs & Jim Taylor
Orig. preserv. pot. cyanide Time _____
General notes:

Erythrodiplox berenice

5 ♀

2 ♂

Survey Mass.
 Drainage _____ Coll. No. 139 140
 Locality River(?) Silver Spring Brook
at Austin, Ore. Res. Sta.
 County _____ Quadrangle Wellfleet Elevation _____
 Water brown, clear Flow _____ Width - 100'
 Vegetation abundant - pond lilies, cattails, shrubs
 Bottom muck, humus Current _____
 Shore wooded to partly wooded Distance from shore - 10'
 Temperature: Air _____ Water _____ Time 1:00 - 3:00 Weather clear
 Depth of Capture _____ Depth of Water _____
 Method of Capture net Date July 21, 1951
 Collected by BH & SP Gibbs & Jim Taylor
 Orig. preserv. pot. cyanide Time _____
 General notes:

Libellula pulchella - 1 ♂

L. cyanea - sev.

L. vibrans - 1

~~*Erythemis simplicicollis*~~

Celithemis elisa

Lestes 10 ♂ 4 ♀

Lestes

✓ *Enallagma signatum* - 1 ♂ 4 ♀ (1 ♂ here)

Ischnura verticalis - 2 ♂ 2 ♀

Ischnura posita - 1 ♂ 1 ♀

I. kellicotti

✓ *Enallagma geminatum* 7 ♂ 6 ♀

✓ *Anax junius* - 1 ♂

✓ *Libellula incesta* - 2 ♂

✓ *Erythemis simplicicollis* - 1 ♂

✓ *Pachydiplax longipennis* - 1 ♂

✓ *Sympetrum semicinctum* - 1 ♀

✓ *Perithemis domitia* - 2 ♂

✓ *Pachydiplax longipennis* - 1 ♂

Survey Mass.

Drainage

Coll. No. 140 141

Locality Hawksnest

County

Quadrangle

Elevation

Water brown (?), clear

Flow

Width - 250' ±

Vegetation pond lilies, rushes

Bottom sand to muck - boggy

Current

Shore wooded

Distance from shore - 20'

Temperature: Air

Water

Time 4:30-5:30

Weather clear

Depth of Capture

Depth of Water

Method of Capture net

Date July 21, 1951

Collected by RH & SP Gibbs & Jim Taylor

Orig. preserv. pot. cyanide

Time

General notes:

✓ Lestes rectangularis - 3♂

✓ Lestes vigilax - 5♂ 1♀

✓ Lestes disjunctus - 5♂ 1♀

✓ Enallagma pictum - 11♂ 2♀

✓ Enallagma vesperum - 1♂

✓ Enallagma geminatum - 1♂ 1♀

✓ Ischnura verticalis - 3♂ 6♀

✓ Ischnura kellicotti

✓ Ischnura kellicotti - 7♀

✓ Erythemis simplicicollis - 1♂

✓ Sympetrum rubicundulum - 1♂

✓ Celithemis elisa - 1♀

✓ Enallagma ~~aurum~~ - 2♂

Survey Mass
Drainage _____ Coll. No. 141 142
Locality Flax Pond - same as collection 132
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather Clear
Depth of Capture _____ Depth of Water _____
Method of Capture Net Date July 24, 1951
Collected by S. P. Gibbs with insect class
Orig. preserv. POT. cyanide Time 10:40 - 11:25 a.m.
General notes:

1 *Erythemis simplicicollis* ♂ - given to student
1 *Libellula cyanea* ♂ - given to student
Anax junius - seen
Libellula pulchella - seen
Tramea ^{*carolina*} *trapezostigma* - seen

✓ *Lestes forcipatus* - 2♂, 1♀
✓ *Annalagma geminatum* - 1♂
✓ *Annalagma vesperum* - 1♂
✓ *Aschnura verticalis* - 2♂
✓ *Lestes vigilax* - 1♂

Survey Mass.

Drainage

Coll. No. 143

Locality

Cedar Bog - same as collection 137

County

Quadrangle

Elevation

Water

Flow

Width

Vegetation

Bottom

Current

Shore

Distance from shore

Temperature: Air

Water

Time

Weather

Clear

Depth of Capture

Depth of Water

Method of Capture

Net

Date

July 25th

Collected by

RH + SP Gibbs

Orig. preserv.

Potassium cyanide

Time

3:00 - 5:00 p.m.

General notes:

✓ *Anax junius* - 1♂

✓ *Plathemis lydia* - 1♂

✓ *Pachydiplax longipennis* - 1♂

✓ *Lestes rectangularis* - 2♂

✓ *Ischnura posita* - 1♂

✓ *Ischnura verticalis* - 1♂

✓ *Nehalania gracilis* - 5♂ 4♀

Survey Mass
Drainage _____ Coll. No. 144
Locality Yard of Mary Reilly on Miffield Street, Woods
Hole
County Woods Hole Quadrangle Barnstable Elevation _____
Water No freshwater in immediate vicinity Flow _____ Width _____
Vegetation _____

Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather Sunny
Depth of Capture _____ Depth of Water _____
Method of Capture Net Date July 26th, 1951
Collected by Mary Reilly
Orig. preserv. Carbon Tet Time 12:15
General notes:

Aeshna canadensis

1 ♂

Survey Mass.
Drainage _____ Coll. No. 145
Locality Flashy same as coll. no.
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture _____ Depth of Water _____
Method of Capture Net Date July 27, 1951
Collected by SP & RH Gibbs
Orig. preserv. Potassium cyanide Time 3:00 - 5:10 pm
General notes:

✓ *Aeshna canadensis* - 4 ♂ (one headless) = discarded

✓ *Libellula incesta* - 1 ♂

✓ *L. auripennis* - 1 ♂ 2 ♀

✓ *Celithemis mertha* - 3 ♂

✓ *Sympetrum rubicundulum* - 7 ♂ 4 ♀

✓ *S. vicinum* (?) - 1 ♀

✓ *S. semicinctum* - 1 ♀

✓ *Leucorrhinia frigida* - 1 ♂

✓ *Tropeostigma carolina* - 1 ♂ (headless) discarded

✓ *Lestes eurinus* - ~~5 ♂~~ 4 ♂

- ✓ *Lestes disjunctus* - 14 ♂ 4 ♀

✓ *Lestes forcipatus* - 1 ♀ 1 ♂

✓ *Enallagma aspersum* - 1 ♂

✓ *Enallagma ^{doubleclayi} ~~doubleclayi~~* (?) - 13 ♂ 4 ♀

✓ " *sp.* ♀ (?) - 2

✓ *Isochnura verticalis* - 1 ♂ 1 ♀

~~*Isochnura* ? - 1 ♀~~

Flashy seemed alive with even more activity than usual today. Lesters were preying on Enallagmas, Kingbirds on the Aeshnas. Aeshnas (canadensis) were out in fair numbers for the first time. I caught one Pachydiplax but it escaped leaving its abdomen in the net. As it flew up zigzagging, both Aeshna canadensis and Anax longipes dived down on it from high in the trees. Also today I saw Anax longipes mating - but far from net's reach over the trees.

Survey Muss

Drainage

Coll. No. 146

Locality Flax Pond - same as coll. no 132

County

Quadrangle

Elevation

Water

Flow

Width

Vegetation

Bottom

Current

Shore

Distance from shore

Temperature: Air 80°

Water

Time

Weather Fair and clear

Depth of Capture

Depth of Water

Method of Capture Net

Date August 2, 1951

Collected by S.P. Gibbs

Orig. preserv. Pot. cyanide

Time 3:10-4:00-5:10-5:20

General notes:

At my first visit, the pond had more dragonflies than I've seen there before. Most abundant were:

✓ Erythemis simplicicollis - 1♂

Libellula auripennis

Celithemis martha

Libellula incesta - few

Anax junius - sev - 1 pair mating

Anax longipes - 1 seen - 1 seen also on July 26

at 5:00, however, I saw only one or two dragonflies

? ✓ Lestes forcipatus - 2♂ 1♀

✓ Lestes vigilax - 1♀

✓ Anallagma minusculum - 2♂

✓ Anallagma signatum - 1♂

✓ Argia violacea - 3♂

✓ Ischnura verticalis - 4♀

I. posita - 1♀

Survey Mass.
Drainage _____ Coll. No. 147
Locality Field on north side of Bansom Rd. (dirt), about 1/8 mi.
E. of Sippewissett Rd., & Pond in woods about 1/3 mi. North
County Barnstable Quadrangle Woods Hole Elevation _____
Water Clear, white Flow _____ Width - 75'
Vegetation common - pond lilies, reeds
Bottom sand, muck Current _____
Shore wooded Distance from shore - 10'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date August 2, 1951
Collected by BH & SP Gibbs
Orig. preserv. pot. cyanide Time 4:30 - 6:00 PM
General notes:

✓ *Anax junius* - 1♂

✓ *Erythemis simplicicollis* - 2♂

✓ *Libellula auripennis* - 1♂

✓ *Celithemis elisa* - 2♂ 1♀

✓ *Sympetrum* ~~*rubicundulum*~~ ^{*vicinum*} - 1♂

Libellula needhami - 1♂

✓ *Lestes vigilax* - 1♂

✓ *Lestes rectangularis* - 1♂

✓ *Lestes unguiculatus* ^{*doubleclayi*} *forcipatus* - 2♂ 1♀

✓ *Enallagma minusculum* - 5♂

✓ *Enallagma signatum* - 2♂ 1♀

✓ *Enallagma vesperum* - 3♂ 1♀

✓ *Ischnura posita* - 2♂

✓ *Ischnura verticalis* - 2♂

✓ *Anomalagrion hastatum* - 1♂

✓ *Argia violacea* - 1♂ 1♀

Survey Mass.
Drainage _____ Coll. No. 148 (same as 141)
Locality Hawksnest Pond
County Barnstable Quadrangle _____ Elevation _____
Water white?, clear Flow _____ Width -300'
Vegetation sedge, pond lilies, pickerel weed, grass
Bottom sand, mostly muck Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date August 4, 1951
Collected by RH & SP Gibbs
Orig. preserv. pot. cyanide Time 11:00^{AM} - 1:30 PM
General notes:

Anax junius - 1 ♂ seen
Libellula auripennis? - sev. seen
✓ *Libellula incesta* - 1 ♂
✓ *Erythemis simplicicollis* - 1 ♂
✓ *Sympetrum vittatum* 1 ♂ 1 ♀
~~*Celithemis elisa*~~
✓ *C. martha* - 1 ♂ 2 ♀
Perithemis domitia - 1 ♀ seen
✓ *Lestes disjunctus* - 2 ♂
✓ *Lestes vigilax* - ab 6 ♂
✓ *Lestes rectangularis* - 1 ♀
Enallagma minusculum - ab 6 ♂ 1 ♀ (1 pr. doubtful)
E. vesperum - 1 seen in woods clearing
E. pictum - 11 ♂ 3 ♀
✓ *Argia violacea* - 1 ♂
✓ *Ischnura verticalis* - 2 ♂
~~*I. kellicotti*~~
✓ *Enallagma geminatum* - 6 ♂

This pond has practically all its circumference lined with pond lilies. The border is a coarse sandy material.

Enallagma minusculum were abundant all over - even in the grasses of the margin. *E. pictum* was very common - but only over water or lily pads. They never flew very long. *Lestes vigilax* was extremely common in the border grasses.

Survey Mass
Drainage _____ Coll. No. 149
Locality Walker's Pond - across from Hawkswest Pond
County Barnstable Quadrangle Harwich Elevation _____
Water Clear Flow _____ Width _____
Vegetation No surface vegetation on pond - very little submerged vegetation
Bottom Sandy in places - rocky other Current none
Shore Wooded - Pine bayberry Distance from shore _____
Temperature: Air 75° Water _____ Time _____ Weather Clear
Depth of Capture _____ Depth of Water _____
Method of Capture Net Date August 4, 1951
Collected by S P Gibbs
Orig. preserv. POT. cyanide Time 12:45 - 1:05 pm
General notes:

I collected here just to see if I would get anything. The pond had a fine white sandy beach around most of it - only interrupted in spots by ~~a~~ barren rocky beaches. The *Ecnallagma* were in the grasses on the beach; the Anisoptera on the bordering bayberries.

Ecnallagma doubledayi ~~albipennis~~ - 4 ♂

Libellula incesta - sev seen

Zelithemis elisa - 1 ♂

Sympetrum rubicundulum - 1 ♂

Survey Mass.

Drainage

Coll. No. 150

Locality Mill Pond & unnamed adjacent small pond

County Barnstable

Quadrangle Harwich

Elevation

Water white, clear

Flow

Width -300' (-50')

Vegetation sedges, grasses

Bottom sand to muck

Current

Shore partly wooded

Distance from shore -10'

Temperature: Air

Water

Time

Weather clear

Depth of Capture

Depth of Water

Method of Capture net

Date August 4, 1951

Collected by RH & SP Gibbs

Orig. preserv.

pot. cyanide

Time 2:15-3:30 - PM

General notes:

Anax junius - few seen

Aeshna sp. - 1 seen

Libellula incesta - seen

Erythemis simplicicollis - seen

Pachydiplax longipennis - 4♂ 1♀

✓ *Sympetrum rubicandulum* - 1♂

✓ *Perithemis* ^{tenera} ~~domitia~~ - 2♂ 2♀

✓ *Celithemis martha* - 1♂

✓ *Celithemis* ^{opening} ~~monomelana~~ - 2♂

✓ *Enallagma* ^{doubledayi} ~~minuscolum~~ - 1♂

✓ *E. signatum* ^{more in coll.}

✓ *E. vesperum* - 1♂

✓ *E. pictum* - 5♂

✓ *Argia violacea* - 1♂

✓ *Ischnura verticalis* - uncom. - 3♂ 5♀ (4 grey, 1 red)

✓ *I. kellicotti* - ab. *E. geminatum* - 8♂ 1♀

✓ *Lestes vigilax* - 3♂ 1♀

✓ *Sympetrum vicinum* - 1♂

green heron captured & photographed

F475

Date

Area where capt. #

Specimen no.

Can put sev. spec. on 1 3x5 sheet

Projection apparatus-

DC - attracts \pm + pole

Survey Mass.

Drainage

Coll. No. 151

Locality Unnamed pond in deep hole

County Barnstable

Quadrangle Harwich

Elevation

Water clear, white

Flow

Width - 200'

Vegetation pickere! weed, button bush

Bottom sand, humus

Current

Shore shrubby

Distance from shore - 10' -

Temperature: Air

Water

Time

Weather clear

Depth of Capture

Depth of Water

Method of Capture net

Date August 4, 1951

Collected by RH & SP Gibbs

Orig. preserv.

pot. cyanide

Time 3:45-4:15

General notes:

✓ *Enallagma signatum* - 1♂ 1♀

E. vesperum - seen

✓ *E. ^{doubledayi} minusculum* - 2♂

✓ *Lestes vigilax* - 1♀ 1♂

✓ *Argia violacea* - 3♂ 2♀

3 *Sympetrum* sp. - 1♀
costiferum

Survey Mass.
Drainage _____ Coll. No. 152
Locality Dennis Road
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date August 4, 1951
Collected by _____
Orig. preserv. _____ Time 4:45
General notes:

Epicordulia princeps - 1 ♀

This fellow was first seen as we were driving slowly along, surveying the lake. We stopped and quickly got out with nets in hand. This was certainly something we had never collected before. Tantalizingly close it sailed over our heads and circled the car several times. It responded to a pebble tossed in the air, but never came close enough to get caught. Finally it coasted over the trees and out of sight. I went to survey the lake, hoping to see more, but without success. While I was gone, Sally saw it return again, but again it remained uncaught. We waited now, but it did not return. Disgruntled, we turned

around to head for home — and up the road
just a way was 6-spot himself. Once again
we jumped out, but the dragonfly stayed out
of reach. Sally tried a close shot with her net
and missed. I chased around under it to
try to get a shot, and finally I let fly —
and the greatest sound of all, ~~the~~ the flutter of
wings, greeted my ear. *Epicordulia princeps*
was ours.

Survey Mass.

Drainage

Coll. No. 153 (same as 115)

Locality Flashy

County

Quadrangle

Elevation

Water

Flow

Width

Vegetation

Bottom

Current

Shore

Distance from shore

Temperature: Air

Water

Time

Weather clear

Depth of Capture

Depth of Water

Method of Capture

Date August 6, 1951

Collected by RH & SP Gibbs & Woods Hole Childrens School of Science

Orig. preserv.

Time 11:00 - 3:00 PM

General notes:

Anax junius - few seen

Anax longipes - 1 ♂ seen

Aeshna sp. - seen

Libellula cyanea - sev. caught, given to students

✓ *Libellula auripennis* - 1 ♂ 1 ♀ - sev. given

✓ *Libellula incesta* - 2 ♂ - sev. given

✓ *Erythemis simplicicollis* - 2 ♂

Trapezostigma carolina - few seen

✓ *Aeshna clepsydra* - 1 ♀

✓ *Sympetrum rubicundulum* - 5 ♂ 4 ♀

✓ *Celithemis mortha* - 4 ♂ 3 ♀

✓ *Lestes rectangularis* - 1 ♂

✓ *Lestes disjunctus* - 5 ♂ 6 ♀

~~✓ *Enallagma signatum* - 1 ♀~~

✓ *E. ^{minutellum} minusculum* - 5 ♂

✓ *E. asperum* - 1 ♂

✓ ? *Ischnura verticalis* 1 ♀

Today seems to have been the height of the
mating spree of Celithemis martha -
the pond was covered with
mating pairs, the male remaining
attached to the female as she laid her
eggs. As a contrast, male Libellula auripennis
seem to guard pugnaciously their ovipositing
females. Unwatched female Anax junius
and Aeschna clepsydra oviposited.



Survey Mass.
Drainage _____ Coll. No. 154
Locality Road inside dunes of Nauset Beach below (S. of)
Coast guard station
County Barnstable Quadrangle Orleans Elevation _____
Water salt Flow _____ Width _____
Vegetation cord grass, etc.
Bottom sand Current _____
Shore grass, dunes Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date August 18, 1951
Collected by RH & SP Gibbs
Orig. preserv. pot. cyanide Time 1:00 PM
General notes:

✓ Pantala florescens - 1 ♂

✓ Erythrodiplax berenice - 1 ♂ 1 ♀ (in tandem)

Survey Mass. 155
Drainage _____ Coll. No. 154 (same as 133)
Locality Mills River

County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____

Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date August 22, 1951
Collected by _____
Orig. preserv. _____ Time 12 - 2:00 PM
General notes:

Argia violacea - 1 ♂
Istosia rectangularis - 1 ♂
Agrion maculatum - 3 ♀
Utrichura posita - 2 ♂
✓ " sp. - 2 ♀

Erythemis simplicicollis - 1 ♂
Sympetrum semicinctum - 3 ♂ 2 ♀
not rec. *Sympetrum vittatum* 3 ♂ 2 ♀
check (vicinum? - and/or rubic)

7 Tipulidae

Survey Mass.
Drainage _____ Coll. No. 156
Locality Horse Pond
County Barnstable Quadrangle Dennis Elevation _____
Water clear, white Flow _____ Width _____
Vegetation sparse, patches of reeds
Bottom sand to gravel Current _____
Shore wooded Distance from shore 5'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date August 22, 1951
Collected by RH & SP Gibbs
Orig. preserv. pot. cyanide Time 2:45 - 3:15 PM
General notes:

Lelithemis elisa - 1♂

Sympetrum vicinum - 1♂

Survey Mass.
Drainage _____ Coll. No. 156 157
Locality Elisha's Pond
County Barnstable Quadrangle Dennis Elevation _____
Water _____ Flow _____ Width _____
Vegetation pond lilies, reeds
Bottom coarse sand Current _____
Shore washed Distance from shore - 10'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date August 22, 1951
Collected by BH & SP Gibbs
Orig. preserv. pot. cyanide Time 3:30 - 4:00 PM
General notes:

Perithemis domitia - seen
✓ *Colithemis nortona* - 1♂
✓ *C. elisa* - 2♂
✓ *C. monarca* - 1♂
✓ *Symptetrum rubicundulum* - 1♂
✓ *S. vittatum* 1♂
✓ *Libellula incesta* - 2♂
✓ *Anisoptera clepsydra* - 1♂ 1♀

✓ *Enallagma geminatum* - 1♂
✓ *E. ^{doubledayi} ~~minutulum~~* - 4♂
✓ *Argia violacea* - 1♂ 1♀
✓ *Lestes disjunctus* - 4 ♂ 3♀
✓ *L. forficatus* - 2♂ 1♀
✓ *L. rectangularis* - 2♂

Survey _____
Drainage _____ Coll. No. 157 158
Locality Greenough Pond about 1/2 mi S of Yarmouth
County Barnstable Quadrangle Dennis Elevation _____
Water white, clear Flow _____ Width 75'
Vegetation pond lilies, dense grass on shore
Bottom humus Current _____
Shore wooded to grassy Distance from shore 25'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date August 22, 1951
Collected by RH & SP Gibbs
Orig. preserv. Pot. cyanide Time 4:30 - 5:00 PM
General notes:

Perithemis domitia - seen
✓ *Sympetrum vicinum* - 1♂

✓ *Enallagma signatum* - 1♂
✓ *E. ^{doubledayi} ~~maculatum~~* - 5♂
✓ *E. geminatum* - 2♂
✓ *Ischnura verticalis* - 3♂
✓ *I. posita* - 1♂
✓ *Lestes vigilax* - 3♂
✓ *L. disjunctus* - 1♂

Survey Mass.
Drainage _____ Coll. No. 158 159
Locality Twinnings Pond about 1/2 mi. SE of S. Orleans
off Quanset Rd.
County Barnstable Quadrangle Chatham Elevation _____
Water white, clear Flow _____ Width _____
Vegetation common - reeds along shore
Bottom gravel coarse sand to humus Current _____
Shore wooded Distance from shore - 5'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date August 22, 1951
Collected by RH & SP Gibbs
Orig. preserv. pot. cyanide Time 11 AM - 2 PM
General notes:

Aeshnas were abundant. Females were ovipositing in spaces between reeds and both sexes were catching insects in these spaces. As a result we would nearly step on them before they flew up with a flutter of wings and startled us.

Perithemis domitia - seen

✓ *Anax junius* - 2♂
✓ *Aeshna clafaydia* - 3♂
✓ *Aeshna canadensis* - 1♂ 1♀
✓ *Libellula incesta* - 5♂
✓ *Erythemis simplicicollis* - 1♂ 1♀
✓ *Colithemis elisa* - 1♂
✓ *C. martha* - 3♂ 1♀
✓ *C. epolinea* - 1♂ 1♀
✓ *Sympetrum vicinum* - 12♂ 11♀

✓ *Lestes vigilax* - 2♂
✓ *Lestes disjunctus* - 5♂
✓ *Enallagma ~~doubleclayi~~ ^{doubleclayi}* - 1♂
✓ *E. geminatum* - 1♂

not rec.
check ✓ *Ichnura kellicotti* - 2♂
✓ *I. pumilio* - 2♂ 1♀
✓ *Ichnura verticalis* 1♀

Survey Mass.
 Drainage _____ Coll. No. 159-160
 Locality Unnamed pond at jct. Queen Anne & Ryder's Rd.
about 3/4 mi. N. of West Chatham
 County Barnstable Quadrangle Chatham Elevation _____
 Water white, clear Flow _____ Width - 100' ±
 Vegetation pond lilies, sparse reeds
 Bottom gravelly sand Current _____
 Shore wooded Distance from shore - 10'
 Temperature: Air _____ Water _____ Time _____ Weather clear
 Depth of Capture _____ Depth of Water _____
 Method of Capture net Date August 23, 1951
 Collected by RH & SP Gibbs
 Orig. preserv. pot. cyanide Time 3:30 - 4:15 PM
 General notes:

Almost no dragonflies here - a couple of
 Aeshnas, etc. Damselflies abundant,
 especially Enallagma vesperum. Many
 of these mating.

✓ Lestes vigilax - 4♂ 1♀

✓ Enallagma vesperum - ~~1♂ 1♀~~ ^{1♂ 1♀}

✓ E. ^{doubledayi} minusculum - 1♂ (very small - same sp.?)

✓ E. signatum - 2♂ 1♀

✓ Ischnura verticalis - 1♂

✓ E. minusculum? - 1♂

✓ Enallagma sp. - 1♀

✓ Aeshna clepsydra - 1♀

✓ Celithemis elisa - 1♂

Survey Mass.
Drainage _____ Coll. No. 160 161
Locality Emery Pond about 1/2 mi. from jct. Queen
Anne & Ryders Rd.
County Barnstable Quadrangle Chatham Elevation _____
Water white, clear Flow _____ Width - 500' +
Vegetation common - mallow shrubs, reeds

Bottom coarse sand Current _____
Shore partly wood, cranberry bog Distance from shore - 5'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date August 23, 1951
Collected by RH & SP Gibbs
Orig. preserv. pot. cyanide Time 4:30 - 5:00 PM
General notes:

✓ Aeshna canadensis - 1 ♀
Celithemis eponina - seen
✓ Sympetrum vicinum - 4 ♂ 1 ♀

✓ Lestes vigilax - 1 ♀
✓ Enallagma ^{doubledayi} ~~minckleyi~~ - 2 ♂

Survey Mass.
Drainage _____ Coll. No. 161/62
Locality Spectacle Pond about 1 mi. N. of Brikkilma Rd.
County Barnstable Quadrangle Falmouth Elevation _____
Water white, clear Flow _____ Width - 400'
Vegetation sparse - few reeds
Bottom coarse sand Current _____
Shore wooded Distance from shore - 10'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water 24
Method of Capture net Date August 25, 1951
Collected by RH & SP Gibbs
Orig. preserv. pot. cyanide Time 11:00 - 11:45 AM
General notes:

✓ *Celithemis mortho* - 1♂ 1♀

Celithemis oliso - 1♂ 1♀

Libellula incesta - 1♂

✓ *Sympetrum vicinum* - 2♂

Argia violacea - 3♂

✓ *Ischnura verticalis* - 1♂

Survey Mass. 163
Drainage _____ Coll. No. 162 (same as 115)
Locality Flashy Pond
County Barnstable Quadrangle Falmouth Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date August 24, 1951
Collected by RH & SP Gibbs
Orig. preserv. pot. cyanide Time August 24, 1951
General notes: 12:00 - 2:00 PM

This place has declined greatly. Still
quite a few ♂ Libellula auripennis,
Lestes ^{disjunctus?} forcipatus, Enallagma _____
Ser. Aeshna sp.

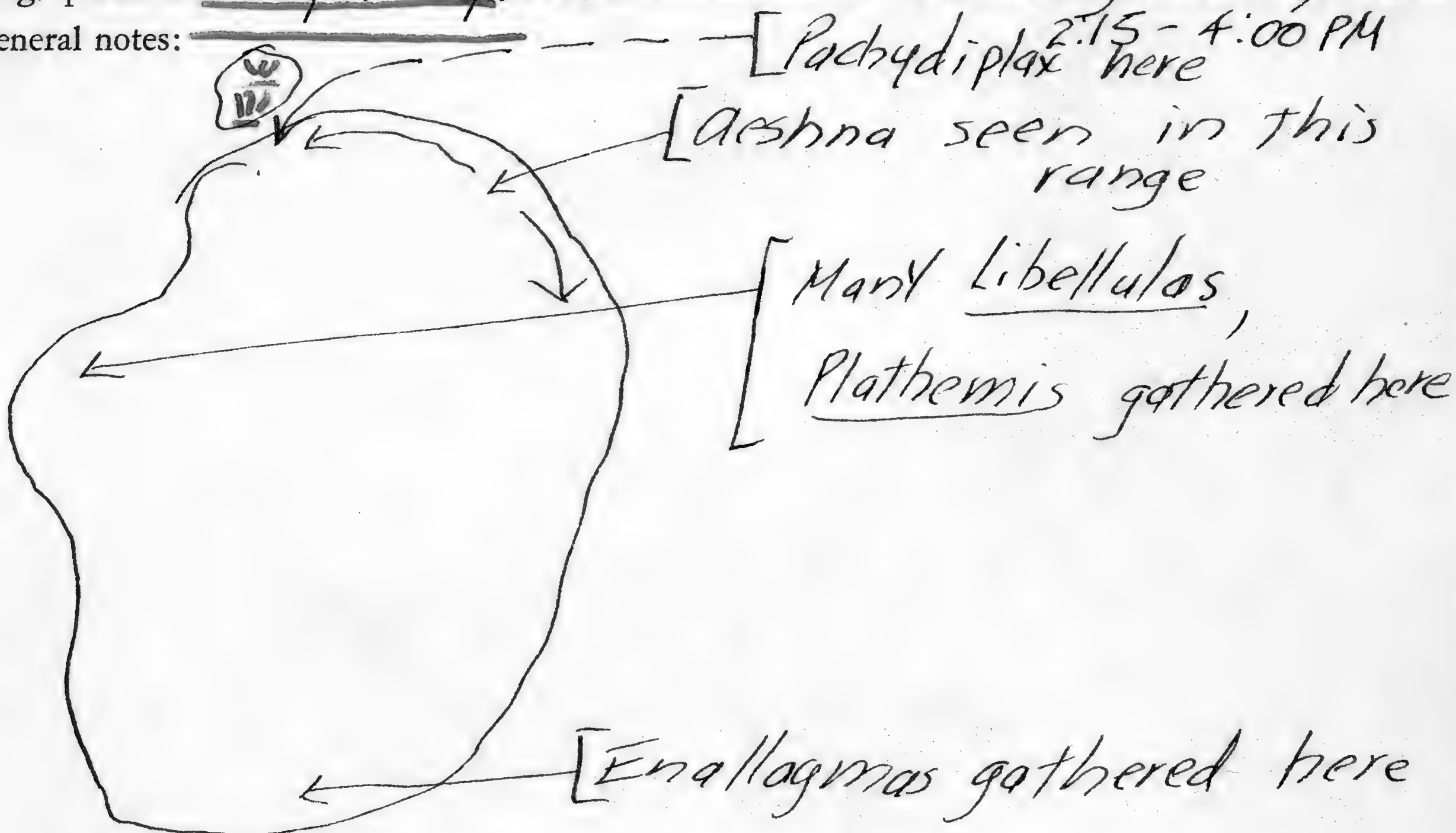
!! 1 Leucorrhinia seen, but lost

✓ Libellula incesta - 1 ♂
✓ Libellula auripennis - 5 ♂ 1 ♀
✓ Erythemis simplicicollis - 1 ♂ 2 ♀
✓ Celithemis mortha - 3 ♂
✓ Sympetrum rubicundulum - 2 ♂
✓ S. vittatum - 4 ♂ 1 ♀

✓ Lestes disjunctus - 3 ♂ 1 ♀
✓ Enallagma ^{doubleclayi} ~~doubleclayi~~ - 3 ♂ 1 ♀

✓

Survey Mass. 164 (same as 121)
Drainage _____ Coll. No. 163
Locality Unnamed Pond S. of 151
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date August 24, 1951
Collected by RH & SP Gibbs
Orig. preserv. pot. cyanide Time August 24, 1951
General notes: _____



- ✓ *Aeschna clepsydra* - 1 ♀
- ✓ *Libellula auripennis* - 3 ♂ 1 ♀
- ✓ *L. cyanea* - 3 ♂ 1 ♀
- ✓ *L. incesta* - 5 ♂
- ✓ *Plathemis lydia* - 1 ♂
- ✓ *Pachydiplax longipennis* - 1 ♂
- ✓ *Erythemis simplicicollis* - 4 ♂ 3 ♀
- ✓ *Sympetrum vicinum* - 1 ♂ 1 ♀
- ✓ *S. rubicundulum* - 1 ♂
- ✓ *Celithemis martha* - 1 ♂
- ✓ *Lestes disjunctus* - 3 ♂ 2 ♀
- ✓ *L. forcipatus* - 1 ♂
- ~~*Aeschna*~~
- ✓ *Enallagma doubledayi* - 6 ♂ 2 ♀

Survey N.Y.
Drainage _____ Coll. No. 165
Locality Michigan Hollow near Danby
County Tompkins Quadrangle _____ Elevation _____
Water white, clear Flow slow Width 300'
Vegetation aquatic - Elodea; Sedges & grasses,
Potamogeton
Bottom humus Current slow
Shore wooded Distance from shore 10'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date September 15, 1951
Collected by RH & SP Gibbs
Orig. preserv. pot. cyanide Time 2-4 PM
General notes:

✓ *Anax junius* - 1♂ fresh

✓ *Aeshna canadensis* - 2♂ 1♀

✓ *A. constricta* - 1♂

✓ *Trapezostigma carolina* - 1♂ 2♀ (?) - fresh

✓ *Sympetrum rubicundulum* - 4♂ 1♀

✓ *S. vicinum* - 4♂ 1♀

✓ *Lestes rectangularis* - 1♂

✓ *Ischnura posita* - 1♂

✓ " *verticalis* - 1♂ 1♀

Survey N.Y.
Drainage _____ Coll. No. 166
Locality Hog Hole, N. of Ithaca airport on Cayuga L.
County Tompkins Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width _____
Vegetation cattails, smartweed
Bottom sand, mud Current _____
Shore shrubby, cattails Distance from shore 0
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date September 15, 1951
Collected by BH & SP Gibbs
Orig. preserv. pot. cyanide Time 4-5 PM
General notes:

Aeshna constricta - 1 ♂ 1 ♀

Enallagma sp. - 1 ♀

Survey N.Y.

Drainage

Coll. No. RHG 167

Locality McLean Bog - Mud Pond & Argus Brook

County Tompkins

Quadrangle

Elevation

Water

Flow

Width

Vegetation

Bottom

Current

Shore

Distance from shore

Temperature: Air

Water

Time

Weather

Depth of Capture

Depth of Water

Method of Capture

Date Sept. 18, 1951

Collected by

Orig. preserv.

Time

General notes:

✓ *Ischnura posita* - 1 ♂

✓ *Ischnura verticalis* - 1 ♂

✓ *Lestes congener* - 7 ♂ 1 ♀

✓ *Agrion maculatum* - 1 ♀

✓ *Sympetrum semicinctum* - 1 ♂ 1 ♀

✓ *S. costiferum* - 2 ♂

✓ *S. obtrusum* - 3 ♂

✓ *S. rubicundulum* - 5 ♂ 3 ♀

✓ *S. vicinum* - 8 ♂ 6 ♀

✓ *Aeshna umbrosa* - 7 ♂

✓ *A. canadensis* - 2 ♂ 1 ♀

Survey _____
Drainage _____ Coll. No. *RHG 168*
Locality _____
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date _____
Collected by _____
Orig. preserv. _____ Time _____
General notes:

Aeshna umbrosa - 1♂

Sympetrum obtrusum - 1♂

Ischnura verticalis - 1♂

Survey _____
Drainage _____ Coll. No. RHG 169
Locality _____
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date _____
Collected by _____
Orig. preserv. _____ Time _____
General notes:

Aeshna u

Sympetrum obtrusum - 1 ♂

Survey N.Y.

Drainage _____ Coll. No. RHG 170

Locality Catherine Creek at Montour Falls

County Schuyler Quadrangle _____ Elevation _____

Water _____ Flow _____ Width _____

Vegetation _____

Bottom _____ Current _____

Shore _____ Distance from shore _____

Temperature: Air _____ Water _____ Time _____ Weather _____

Depth of Capture _____ Depth of Water _____

Method of Capture _____ Date Sept. 23, 1951

Collected by _____

Orig. preserv. _____ Time _____

General notes:

Sympetrum vicinum - 1 ♂

S. obtrusum - 1 ♂

S. semicinctum - 1 ♂

Aeshna ^{umbrosa} ~~canadensis~~ - 6 ♂

A. constricta - 5 ♂ 1 ♀

A. canadensis - 1 ♀

Lestes disjunctus - 2 ♀

Survey Florida
Drainage Withlacoochee R. Coll. No. 180-same as Fish 206
Locality _____

County Sumter Quadrangle _____ Elevation _____
Water Brown, clear Flow 120 Width 40
Vegetation common in stream

Bottom sand, rubble Current mod.
Shore wooded Distance from shore _____
Temperature: Air 78 Water 59 Time 1:00 Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date Dec. 25, 195
Collected by R.H. & S.P. Gibbs
Orig. preserv. pot, cyanide Time 1:00 on - ?
General notes:

✓ *Heteraena americana* - 2 ♂

✓ *Enallagma cardenium* - 7 ♂

✓ *Enallagma signatum* - 1 ♂

✓ *Argia secula* - 2 ♂

✓ *A. fumipennis* - 1 ♀

Anax junius - 1 seen

✓ *Ischnura paria* - 1 ♂ - 1

Survey Florida
Drainage Peace River Coll. No. 181 same as fish 209
Locality trib. of Peace R. 2.4 mi. S. of Bartow

County Polk Quadrangle _____ Elevation _____
Water Brown, clear Flow 200 Width 20'
Vegetation sparse in stream

Bottom mud Current mod
Shore partly wooded Distance from shore -5'
Temperature: Air 78° Water 70° Time 12:00 Weather clear
Depth of Capture -3' Depth of Water -10+
Method of Capture net Date Dec. 26, 1951
Collected by B.H. & S.P. Gibbs
Orig. preserv. pot. cyanide Time 11:45^{AM} - 12:15 PM
General notes:

Libellula quripennis (purple) 2 ♂
Ischnura cervula - 1 ♂

Survey Florida
Drainage Peace River Coll. No. 182
Locality Trib of Peace River 6.3 miles south of Fort Meade
County Alk Quadrangle _____ Elevation _____
Water Brown clear Flow _____ Width _____
Vegetation Sparse in stream
Bottom Mud Current _____
Shore Partly wooded Distance from shore _____
Temperature: Air 78° Water 68° Time 1:00 Weather _____
Depth of Capture _____ Depth of Water _____
Method of Capture Net Date Dec. 26, 1951
Collected by R. H. & S. P. Gibbs
Orig. preserv. Pot. cyanide Time 12:50 - 1:00
General notes:

Enallagma cardenium - 1 ♂

Argia fumipennis - 1 ♂

Erythrodiplex minuscula - 6 ♂ 1 ♀

Survey Florida
Drainage Peace River Coll. No. 183
Locality tributary of Charlie Apple Creek 4.6 west of
Highlands, Hardee Co. Line on Rt. 64
County Hardee Quadrangle _____ Elevation _____
Water Brown clear Flow _____ Width _____
Vegetation Spruce
Bottom Mud Current Sluggish
Shore Wooded Distance from shore _____
Temperature: Air 75 Water 68 Time 2:15 Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture Net Date Dec. 26, 1951
Collected by S.P. & R.H. Gibbs
Orig. preserv. Pot. cyanide Time 2:15 - 2:30
General notes:

Enallagma cardenium - 2♂ 1♀

Survey Florida
Drainage St. Johns Coll. No. 184
Locality Road - Route 206 several miles outside of Titusville
County Brevard Quadrangle _____ Elevation _____
Water none Flow _____ Width _____
Vegetation Palmettos - pines beside Road

Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time 10:15 Weather _____
Depth of Capture _____ Depth of Water _____
Method of Capture Net Date Dec. 29
Collected by Pat Cyrille
Orig. preserv. _____ Time 10:15-10:30
General notes:

Anax junius

- seen

Trapezostigma carolina - 2 ♂

✓

Survey Florida
Drainage St. John's Coll. No. 185
Locality Pond along marshy area W of ST. JOHN'S River
2 mi W of Orange Ct. Lincoln St. 53
County Orange Quadrangle _____ Elevation _____
Water Brown, clear Flow _____ Width _____
Vegetation Common
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time 11:45 Weather _____
Depth of Capture _____ Depth of Water _____
Method of Capture Net Date December 29, 1951
Collected by RH ESP GIBBS
Orig. preserv. Pot cyanide Time 11:45-12:15
General notes:

Trapezostigma abdominalis - ~~2~~ 1♂ 1♀

Enallagma _____ - 2♀

✓

Survey Florida
Drainage St. John's Coll. No. 186 same as Feb 2/0
Locality trib. of L. Jessup on Fla. 419
County Seminole Quadrangle _____ Elevation _____
Water Brown, clear Flow 90 Width 15'
Vegetation sparse in stream, water gum? on bank
Bottom sand Current mod
Shore wooded Distance from shore _____
Temperature: Air 82° Water 60° Time 4:20 Weather clear
Depth of Capture _____ Depth of Water -6'
Method of Capture net Date Dec. 29, 1951
Collected by R. H. & S. P. Gibbs
Orig. preserv. pot. cyanide Time 4:00 - 4:20 r
General notes:

Trapezostigma abdominalis - 1 ♂

OK

Survey N. Carolina
Drainage Santee Coll. No. 187 (fish 311)
Locality Trib of Catawba R. 0.9 mi E of Caldwell Co Line
on N.C. 90
County Caldwell Quadrangle _____ Elevation _____
Water white, turbid Flow 50 Width 25
Vegetation Scirpus on edge, sparse in stream
Bottom sand, rubble, bedrock Current _____
Shore wooded Distance from shore 12'
Temperature: Air 76° Water 68° Time 9:30 EST Weather clear
Depth of Capture - Depth of Water 4'
Method of Capture ~~net~~ net Date JUNE 6, 1952
Collected by Gibbs + Caswell
Orig. preserv. 10T-cyanide Time 8:15 - 9:30 EST
General notes:

Macromia illinoiensis

38

1 to P.P.C.

Survey N. Carolina
Drainage Santee Coll. No. 188 (fish 312)
Locality trib of Johns R. 2.5 mi E. of Collettsville on
N.C. 90
County Caldwell Quadrangle _____ Elevation _____
Water White, clear Flow 40 Width - 40'
Vegetation sparse
Bottom rubble Current mod.
Shore partly wooded Distance from shore - 20
Temperature: Air 82 Water 74 Time 12:00 EST Weather pty cloudy
Depth of Capture _____ Depth of Water - 4'
Method of Capture Net Date June 6, 1952
Collected by Pot. cyanide
Orig. preserv. Gibbs + Caswell Time 10:00 - 12:00 EST
General notes:

Agrion angustipenne - 2♂ 2♀

A. maculatum - 2♂ 1♀

Survey NC
Drainage Santee Coll. No. 189 (fish 313)
Locality Warrior Fork R. just off N.C. 181 - 11 mi North
of Morgantown
County Burke Quadrangle _____ Elevation _____
Water White, clear Flow 100 Width 60'
Vegetation sparse

Bottom rubble Current _____
Shore wooded Distance from shore _____
Temperature: Air 83° Water 74° Time 2:30 EST Weather pt. cloudy
Depth of Capture --- Depth of Water - 4'
Method of Capture net Date June 6, 1952
Collected by Gibbs + Caswell
Orig. preserv. Pot. cyanide Time 1:30-2:30 EST
General notes:

Agrion apicale - 3 ♂

A. angustipenne - 4 ♂ 1 ♀

Argia translata - 3 ♂

Survey NC
Drainage French Broad Coll. No. 190 (Fish 317)
Locality Trib of Swannanoa R. 3.2 mi W. of Black Mtn.
SN NC 70
County Buncombe Quadrangle _____ Elevation _____
Water White, sl. Turbid Flow 60 Width 30'
Vegetation Sparse
Bottom sand, rubble Current mod-fast
Shore pt. wooded Distance from shore _____
Temperature: Air 79 Water 68 Time 12:00 EST Weather clear
Depth of Capture _____ Depth of Water 5'
Method of Capture net Date June 7, 1952
Collected by Gibbs
Orig. preserv. Pet. cyanide Time 11:00 - 12:00 EST
General notes:

Plathemis lydia - 1 ♂

Survey S. Carolina

Drainage Savannah

Coll. No. 191

Locality Trib of Seneca R. (Deep Creek) 4 mi W. of jet
SC 24 + SC 187

County Anderson

Quadrangle

Elevation

Water White, Turbid

Flow 20-100

Width 30'

Vegetation Sparse

Bottom sand

Current mod. fast

Shore pt. wooded

Distance from shore 15'

Temperature: Air 85°

Water 74°

Time 11:30 EST

Weather clear

Depth of Capture

Depth of Water 3' +

Method of Capture

~~net~~ net

Date June 8, 1952

Collected by Gibbs

Orig. preserv. Pot. cyanide

Time 10:45-11:30 EST

General notes:

Progomphus obscurus - 1 ♂

Argia tibialis - 2 ♂ 1 ♀

Survey ~~W.~~ S. Carolina
Drainage Seneca Coll. No. 192
Locality Eighteen mile Creek - Trib of Seneca 0.2 mi west of
Pickens CT. line on U.S. 76
County Anderson Quadrangle Elevation
Water White, turbid Flow 50 Width 30'
Vegetation sparse
Bottom Sand Current mod
Shore Pt. wooded Distance from shore
Temperature: Air 90 Water Time 12:15 EST Weather Clear
Depth of Capture Depth of Water
Method of Capture Net Date June 8, 1952
Collected by Gibbs
Orig. preserv. Pot. cyanide Time 12:15 - 12:45 EST
General notes:

Progomphus obscurus - 1 ♂

Survey Ga.
Drainage Savannah Coll. No. 193
Locality Grove Creek 6.6 mi S. of Homer on U.S. 441
County Banks Quadrangle _____ Elevation _____
Water White, clear Flow Mod Width 20'
Vegetation sparse
Bottom sand Current _____
Shore pt. wooded Distance from shore _____
Temperature: Air 80 ± Water _____ Time 10:15 PST Weather Clear
Depth of Capture _____ Depth of Water 2'
Method of Capture NET 10' seine Date June 9, 1952
Collected by Gibbs & Caswell
Orig. preserv. POT. cyanide Time 10:00-10:15 PST
General notes:

Progomphus obscurus - 1 ♂

Survey Ga
Drainage Altamaha Coll. No. 194 (fish 324)
Locality Trib of Oconee R. 3.3 mi SW of Commerce
on US 15
County Jackson Quadrangle _____ Elevation _____
Water White, sl. turbid Flow 5- Width 10'
Vegetation sparse
Bottom Sand, clay, gravel Current Mod.
Shore pt. wooded Distance from shore _____
Temperature: Air 85⁺ Water 80[±] Time _____ Weather _____
Depth of Capture _____ Depth of Water 1 1/2'
Method of Capture Net and 10' seine Date June 9, 1952
Collected by Gibbs & Caswell
Orig. preserv. Pot. cyanide Time 10:15 - 10:45 EST
General notes:

Progomphus obscurus - 1♂

Libellula vibrans - 1♂

Survey Ga
Drainage Altamaha Coll. No. 195 (fish 325)
Locality Curry Cr. just inside Jefferson City limit

County Jackson Quadrangle _____ Elevation _____
Water White clear Flow _____ Width _____
Vegetation sparse in stream; Sagittaria on edge

Bottom Sand Current _____
Shore open Distance from shore _____
Temperature: Air 85± Water 75± Time 1:30 EST Weather clear
Depth of Capture -3' Depth of Water 3'
Method of Capture 10' seine Date June 9, 1952
Collected by Gibbs & Caswell
Orig. preserv. POT Cyanide Time 12-1:30 EST
General notes:

Progomphus obscurus - 5 ♂
2 to PPC

Argia sedula - 1 ♂
a. tibialis - 1 ♀

Survey Ga
Drainage Altamaha Coll. No. 196 (fish 328)
Locality Trib of Mulberry Fork 4.1 mi NW of jct
Ga 124 on Ga 211
County Hall Quadrangle _____ Elevation _____
Water White clear Flow 50 Width 40'
Vegetation Spursey
Bottom Sand Current _____
Shore pt. wooded Distance from shore _____
Temperature: Air 75⁺ Water 75⁺ Time 5:30 EST Weather cloudy
Depth of Capture --- Depth of Water 3'
Method of Capture ~~---~~ net Date June 9, 1952
Collected by G. bbs
Orig. preserv. Pot. cyanide Time 5:00 - 5:30 EST
General notes:

Gomphus dilotatus - 1 ♂

Survey Ga
Drainage Chattahoochee Coll. No. 197 (fish 330)
Locality Trib of Chattahoochee R. 1.0 mi N. of
Jct. Ga 52 on US 129
County Hall Quadrangle _____ Elevation _____
Water white sl. turbid Flow 15 Width 15
Vegetation sparse

Bottom sand Current _____
Shore wooded Distance from shore _____
Temperature: Air 80⁺ Water 78⁺ Time 11:45 EST Weather cloudy
Depth of Capture _____ Depth of Water -3'
Method of Capture net Date June 10, 1952
Collected by Gibbs
Orig. preserv. Pot. cyanide Time 11:15-11:45 EST
General notes:

Progomphus obscurus - 1 ♂

Survey Ga
Drainage Alabama Coll. No. 198 (338)
Locality Trib of Allatoona Cr. 0.4 mi SE of Acworth on
US 41 and shore of adjoining dammed lake
County Cobb Quadrangle _____ Elevation _____
Water White turbid Flow _____ Width _____
Vegetation Scirpus, Eleocharis, typha latifolia
Bottom silt Current mod-slow
Shore field Distance from shore _____
Temperature: Air 85° Water 75° Time 12:00 EST Weather pt. cloudy
Depth of Capture _____ Depth of Water - 4'
Method of Capture _____ Date JUNE¹² 1952
Collected by Gibbs & Caswell
Orig. preserv. pot. cyanide Time 8:30-12:00 EST
General notes:

Agrion maculata

Agrion _____ seen

And malagrion hastatum - PPC collected

Gomphus?

Anax junius - 1 ♂ seen

Libellula cyanea - 5 ♂ 2 ♀

L. bellula pulchella - 1 ♂ -

Libellula luctuosa - 2 ♂

Perithemis ~~tenera~~
seminole - 2 ♂ 1 ♀

Erythemis simplicillia - 5 ♂ 2 ♀

Pachydiplax longipennis - 3 ♂ 1 ♀

Trapezostigma lacerata - 4 ♂ 1 ♀
~~carolina~~

Plathemis lydia - many seen

199 ✓

Survey Ga.
Drainage Alabama Coll. No. (RHC 342)
Locality Trib of Coosawatee R. 8.0 mi. N of Murray Co. line
on US 411
County Murray Quadrangle _____ Elevation _____
Water White, clear Flow 50 Width 20'
Vegetation plants pressed for identification
Bottom Sand, rubble, rock Current mod
Shore wooded Distance from shore .10'
Temperature: Air 75° Water 75° Time 7:15 p.m. EST Weather pt. cldy
Depth of Capture [redacted] Depth of Water 4'
Method of Capture [redacted] net Date June 12, 1958
Collected by Gibbs
Orig. preserv. POT. cyanide Time 5:00 - 7:15 p.m. EST
General notes:

Agrion maculatum - 3♂ 1♀
Agrion ~~dimidiatum~~ apicale - 3♂
Agrion angustipenne - 3♀
Argia translata - 1♂ 2♀

Survey Ga
Drainage Alabama Coll. No. 200 (fish 345)
Locality Trib of Oostanavla R. 5.0 mi S. of Calhoun on
US 41
County Gordon Quadrangle _____ Elevation _____
Water White, d. Turbid Flow 30 Width -15'
Vegetation _____
Bottom sand, silt Current mod
Shore pt. wooded Distance from shore -8'
Temperature: Air 75+ Water 73° Time 12:00 EST Weather cloudy
Depth of Capture _____ Depth of Water -3'
Method of Capture Net Date June 13, 1952
Collected by Gibbs
Orig. preserv. pot. cyanide Time 11:30-12:00 EST
General notes:

Agrion maculatum - 1♂ 1♀

Agrion apicale - 1♀

Enallagma exulans - 2♂

Argia translata - 1♂

Survey Ga
Drainage Alabama Coll. No. 201 fish 347
Locality Trib of Etowah R. 3.9 mi SW of Cassville on
US 411
County Bartow Quadrangle _____ Elevation _____
Water White, Turbid Flow 50 Width 25'
Vegetation sparse

Bottom sand rock Current mod
Shore wooded Distance from shore _____
Temperature: Air 80 \pm Water 75 \pm Time 3:40 EST Weather pt. cldy
Depth of Capture _____ Depth of Water -6 \pm 1
Method of Capture Net Date JUNE 13, 1952
Collected by Gibbs
Orig. preserv. pot. cyanide Time 2:00 - 3:40 EST
General notes:

Plathemis lydia - 1 ♀

BK

Survey Ala.
Drainage Alabama Coll. No. 202 (fish 351)
Locality Trib of Terrapin Cr. at Cherokee-Calhoun Co line
on Ala 74
County Cherokee-Calhoun Quadrangle _____ Elevation _____
Water White, clear Flow 150 Width 50'
Vegetation Same as fish 342, Pasture

Bottom Rubble, rock Current mod
Shore wooded Distance from shore 25'
Temperature: Air 80° Water 78° Time 1:30 EST Weather Clear
Depth of Capture _____ Depth of Water 5'
Method of Capture Net Date June 14, 1952
Collected by Gibbs and Caswell
Orig. preserv. Potassium cyanide Time 10:00 - 1:30 EST

General notes:

Argia sedula - 6♂ 3♀
Argia violacea - 5♂ 2♀
a. translata - 3♂ 2♀
a. tibialis - 3♂
Enallagma signatum - 1♂
Enallagma exulans - 2♂ 1♀
Agrion ~~dimidiatum~~ apicale - 1♂
Agrion angustipenne - 1♀
Heteraena americana - 4♂
Hagenius brevistylis - 2♀
Progomphus obscurus - 1♂
Dromogomphus armatus - 2♂
Gomphus lineatifrons - 1♂

Libellula luctuosa - 3♂

Survey A1a.
Drainage Alabama Coll. No. 203 (Fish 353)
Locality Trib of Choocolocco R. 5.4 mi NE of Munford
on US 241
County Talladega Quadrangle _____ Elevation _____
Water Wh. te clear Flow 5 Width - 10'
Vegetation Mayaca on rocks
Bottom Rubble rock Current Very slow
Shore Wooded Distance from shore - 5'
Temperature: Air 85± Water 80-85± Time 5:00 EST Weather clear
Depth of Capture ~~3'~~ Depth of Water - 3'
Method of Capture ~~net~~ net Date June 14, 1952
Collected by Gibbs
Orig. preserv. Pot. cyanide Time 4:30-5:00 EST
General notes:

Libellula incesta - 1♂

Survey Alabama
Drainage Alabama Coll. No. 204 (fish 354)
Locality Cheaha Cr 3.3 mi SW of Munford on US 241

County Talladega Quadrangle _____ Elevation _____
Water White & clear Flow 40 Width 20'
Vegetation Sparse in stream, Sagittaria in backwaters

Bottom sand, rubble Current _____
Shore wooded Distance from shore _____
Temperature: Air 78° Water 75° Time 6:30 EST Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture 10' seine net Date June 14, 1952
Collected by Gibbs & Caswell
Orig. preserv. Pot. cyanide Time 5:30-6:30 EST
General notes:

~~Ischnura posita~~ - 1 ♂

Tetragoneuria

Epicordulia princeps - 1 ♂ 1 ♀ (in tandem)

Libellula cyanea - 5 ♂

~~Libellula~~

Libellula luctuosa - com. but none caught

Trapezostigma carolina - 1 seen

Survey Alabama
Drainage Alabama Coll. No. 205 (fish 353)
Locality Talladega Cr 7.2 mi N of Jct Ala 76 on US 241

County Talladega Quadrangle _____ Elevation _____
Water white, clear Flow 75 Width 50'
Vegetation same as 342 - Justicia americana

Bottom sand, rubble Current mod
Shore wooded Distance from shore -25'
Temperature: Air 89° Water 76° Time 1:15 EST Weather pt. cldy
Depth of Capture _____ Depth of Water _____
Method of Capture net, 10' x 10', Phil's head Date June 15, 1952
Collected by Gibbs + Caswell
Orig. preserv. 10% form. Time 11:30-1:15 EST
General notes:

Progomphus obscurus - 1 ♂

Hagenius brevistylus - 1 ♀

Plathemis lydia - 1 seen

Libellula luctuosa - 1 seen

Agrion dimidiatum apicale - 3 ♀

Anallagma exulans - 4 ♂

Argia violacea - none in collection

Argia sedula - 1 ♂ 1 ♀

A. tibialis - 6 ♂

Hagenius landed on Phil's head while we were seining. It was a simple matter to sneak over and grab it. Until we could get back to some envelopes, the big fellow traveled in my shirt pocket.

?

Survey Alabama
Drainage Alabama Coll. No. 206
Locality Yellowleaf Creek 7.3 mi s. of Shelby Ct. line on
Ala. 76
County Shelby Quadrangle Columbiana? Elevation _____
Water White, slightly turbid Flow _____ Width 75'
Vegetation Justicia, Valisneria, Saururus

Bottom Sand, rock, rubble Current mod
Shore Wooded Distance from shore _____
Temperature: Air 90° Water 80° Time 3:45 EST Weather clear
Depth of Capture _____ Depth of Water - 10 + 6'
Method of Capture Net + 10' seine Date June 15, 1957
Collected by Gibbs & Caswell
Orig. preserv. Pot. cyanide Time 2:45 - 3:45 EST
General notes:

Hagenius brevistylus - seen

Dromogomphus armatus - 2♂ (1 + general)

Somatochlora linearis - 1♀

Libellula incesta - 1♂

Enallagma exulans - 1♂

E. signatum - 1♂

Survey Ala.
Drainage Alabama Coll. No. 207 (fish 356)
Locality Trib of Waxahatchee Cr. 4.7 mi SW of Columbiana
on Ala 25
County Shelby Quadrangle _____ Elevation _____
Water White clear Flow 10 Width 20
Vegetation Justicia americana, Myriophyllum
Bottom Sand rubble Current _____
Shore Wooded Distance from shore _____
Temperature: Air 92 Water 80 Time 5:45 PM Weather clear
Depth of Capture _____ Depth of Water 2 1/2'
Method of Capture 10' seine net Date June 15, 1952
Collected by Gibbs & Caswell
Orig. preserv. _____ Time _____
General notes:

Libellula vibrans - 2 ♂

Erallagma exsulans - 2 ♂ 1 ♀

Survey Miss.
Drainage Pasco goulia Coll. No. 208 (fish 358)
Locality Chickasawbag R. 5 mi S. of Clarke Co. line on
US 11 (Chickasaw Creek)
County Clarke Quadrangle _____ Elevation _____
Water White, s/. turbid Flow 50 Width 30'
Vegetation Podostemum; otherwise sparse
Bottom Sand, rubble Current _____
Shore scrubby Distance from shore _____
Temperature: Air _____ Water 87° Time 12 Weather _____
Depth of Capture — Depth of Water 3 1/2
Method of Capture Net 10' seine Date June 16, 1952
Collected by Gibbs and Caswell
Orig. preserv. pot. cyanide Time 10:30 - 12:30 EST
General notes:

Progomphus obscurus - 7 ♂ (3 to PPC)

Erpetogomphus designatus - 7 ♂ (3 to PPC)

Erythemis simplicicollis - 1 ♀

Argia tibialis - 2 ♂ 1 ♀

a. sedula - 1 ♂

Ischnura posita - 1 ♂

Survey Miss
Drainage Pearl Coll. No. 209 (fish 359)
Locality Hobolochitto Cr 0.5 mi N. of Picayune on US 11
County Pearl River Quadrangle _____ Elevation _____
Water Brown, Clear Flow 30 Width 25'
Vegetation sparse
Bottom sand Current _____
Shore wooded-open Distance from shore _____
Temperature: Air 95° Water 87° Time 4:00 EST Weather Clear
Depth of Capture _____ Depth of Water 8'
Method of Capture Net Date June 16, 1952
Collected by Gibbs
Orig. preserv. Pot. cyanide Time 3:00-4:00 EST
General notes:

Libellula vibrans - 1♂ 1♀

Libellula incesta - 2♂

Argia translata - 1♂

Survey La
Drainage Pearl River Coll. No. 210
Locality Road (US 11) 2.7 mi north of Pearl River - surrounded
on either side by swamps
County St. Tammany Quadrangle _____ Elevation _____
Water Black Flow none Width -
Vegetation Eichornia crassipes

Bottom _____ Current 0
Shore Wooded Distance from shore _____
Temperature: Air 90 F Water _____ Time 6:45 Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture Net Date June 16, 1952
Collected by Gibbs and Caswell
Orig. preserv. pot. cyanide Time 6:45 - 7:15 EST
General notes:

Epiaeshna heros - 5♂ 1♀

Epicordulia regina - 2♂

Somatochlora linearis - 2♀

Pachydiplax longipennis - 1♂

Libellula auripennis - 1♀

Libellula vibrans - 4♂ 1♀

This was one of those never-to-be-forgotten collections. As we hit the low swamp lands adjoining the Pearl River, we began seeing dragonfly after dragonfly flying in front of the car, mostly fairly high up. Suddenly we came to a spot which was swarming with dragonflies, and within net's reach. We jumped out and began swinging wildly, netting one after the other of those beautiful monsters. The swarm thinned out after 10 minutes but they were still abundant enough to make collecting exciting.

Survey La
Drainage Pontchartrain Coll. No. 211 (fish 361)
Locality Trib. of Selsee Cr. 4.2 mi. W. of Robert on US 90
County Tangipahoa Quadrangle _____ Elevation _____
Water Brown clear Flow 2 Width 5'
Vegetation Nuphar, Eleocharis
Bottom mud Current _____
Shore open Distance from shore _____
Temperature: Air 32°C Water 30°C Time 1:00 EST Weather clear
Depth of Capture _____ Depth of Water 5'
Method of Capture net Date JUN 17 1952
Collected by G. B. Caswell / S. H. Reus
Orig. preserv. pot. cyanide Time 1:00 - 1:30 EST
General notes:

Pachydiplax longipennis - 6 ♂ 1 ♀

Erythrodiplax minuscula - 3 ♂

Erythemis simplicicollis - 2 ♂

Libellula auripennis - 1 ♂ 1 ♀

Libellula vibrans - 2 ♂ 2 ♀

Celithemis fasciata - 2 ♂

Perithemis seminole - 1 ♂

Argia fumipennis - 2 ♂

Survey Ga
Drainage Ochlocknee Coll. No. 212
Locality Barnett Creek 6.2 mi S. of Meigs on Ga III
County Grady Quadrangle _____ Elevation _____
Water Black Flow _____ Width _____
Vegetation Sagittaria (acc. to P. Caswell)
Bottom lacking (acc. to P. Caswell) Silt Current sluggish
Shore pt. wooded Distance from shore _____
Temperature: Air 86° Water 78° Time 1:00 Weather pt. cloudy
Depth of Capture _____ Depth of Water 10 +'
Method of Capture Net Date June 20, 1952
Collected by Gibbs & Caswell
Orig. preserv. pot. cyanide Time 1:00 - 1:30 EST
General notes:

Trapezostigma carolina — 1 seen

Libellula ^{vibrans} ~~cyanea~~ — discarded

Perithemis seminole — 1 ♀

Argia fumipennis — 2 ♂

A. tibialis — 1 ♂

Survey Ga
Drainage Altamaha Coll. No. 213 (same as fish 369)
Locality Onopec R. at Toombs-Tattnall Co. line on
US 280
County ~~Bowling Green~~ Toombs-Tattnall Elevation
Water ~~tan~~ Brown, sl. Turbid Flow 200+ Width -100'
Vegetation sparse
Bottom sand Current mod
Shore pt. wooded Distance from shore
Temperature: Air Water 79° Time 10:00 EST Weather pt. clgy
Depth of Capture -5 Depth of Water -74
Method of Capture ~~stomach~~ net Date June 21, 1952
Collected by Gibbs and Caswell
Orig. preserv. pot. cynide Time 8:00 - 10:10 EST
General notes:

Epiacshna - seen

Pantala flavescens?

Trapezostigma carolina

Erythrodiplax minuscula - 1♂

Lestes rectangularis - 1♀

Anomalagrion hastatum - 1♂

Argia bipunctulata - 3♂

Survey Mass.

Drainage _____

Coll. No. 214

Locality Flashy Pond

County Barnstable

Quadrangle _____

Elevation _____

Water White, clear

Flow none

Width _____

Vegetation Brasenia, Nymphaea, Utricularia

Bottom Sand

Current _____

Shore _____

Distance from shore _____

Temperature: Air 75[±]

Water _____

Time _____

Weather Clear

Depth of Capture _____

Depth of Water _____

Method of Capture Net

Date July 1, 1952

Collected by Gibbs and MacKiewicz

Orig. preserv. Pot. cyanide

Time 2:30 - 4:30

General notes:

Enallagma traviatum - 3♂

Enallagma ^{doubledayi} ~~minuscule~~ - 2♂

Lestes eurinus - 4♂ 4♀

Lestes _____ - seen

Ischnura verticalis - seen

Anax longipes - ~~seen~~ 1♂ pinned

Anax junius - 3♂ (1♂ pinned)

Trapezostigma carolina - 1♂

Libellula auripennis - 2♂

L. cyanea - seen

L. incesta - seen

Erythemis simplicicollis - seen

Ladona deplanata - 2♂ (1♀ pinned)?

Leucorrhinia frigida - 6♂ 1♀

Plathemis lydia - 1♀

Survey Mass
Drainage _____ Coll. No. 215
Locality Gittford Bog near jct. Gittford St. & Brickkiln Rd.
in Falmouth
County Barnstable Quadrangle _____ Elevation _____
Water White, clear Flow 0 Width - 100'
Vegetation Scirpus, Utricularia, Gratiola, etc.
Bottom Muck Current 0
Shore Wooded to scrubby Distance from shore - 10'
Temperature: Air _____ Water _____ Time 2-3:00 PM Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 4, 1952
Collected by Gibbs & Mackiewicz
Orig. preserv. cyanide Time _____
General notes:

Nannothemis bella - 2♂ 1♀

Survey Mass.
Drainage _____ Coll. No. 216
Locality Flax Pond, Cataumet (opp. Barnstable Co. Sanatorium),
Mass
County Barnstable Quadrangle _____ Elevation _____
Water White, clear Flow 0 Width _____
Vegetation Pontederia Scirpus, Gratiola, Lobelia dortmanna
Nymphaea Lyssimachia On shore: Drosera filiformis
Bottom Sand Current _____
Shore Pt. wooded Distance from shore _____
Temperature: Air 85⁺ Water _____ Time _____ Weather Partly cloudy
Depth of Capture _____ Depth of Water _____
Method of Capture Net Date July 5, 1952
Collected by Gibbs and Mackiewicz
Orig. preserv. Pot. cyanide Time 2:30-3:30
General notes:

Lestes vigilax - 1 ♂
Enallagma ~~travium~~ asperum - 6 ♂ 2 ♀
Enallagma minusculum - 18 ♂
Enallagma doubledayi - 2 ♂ 1 ♀
Trapezostigma carolinia - 1 seen
Anax junius - 1 ♂
Celithemis elisa - 1 ♂
Libellula auripennis - 1 ♂
Libellula pulchella - seen
Libellula incesta - seen
Erythemis simplicicollis - 1 ♂

Gomphus exilis - John's

Argia violacea - 1 ♂

Ischnura verticalis - 1 ♂

Lestes disjunctus - 1 ♀

Survey Mass.

Drainage _____ Coll. No. BHG 317

Locality Cedar Bog near Woods Hole

County Barnstable Quadrangle _____ Elevation _____

Water Brown, clear Flow 0 Width - 60'

Vegetation Decodon verticellatus very common, Chamaecyparis thyoides
Sphagnum

Bottom Humus Current 0

Shore Wooded Distance from shore - 5'

Temperature: Air _____ Water _____ Time 4:00 - 5:00 DST Weather clear

Depth of Capture _____ Depth of Water - 4' +

Method of Capture net Date July 7, 1952

Collected by BHG Gibbs

Orig. preserv. Cyanide Time 4:00 - 5:00 DST

General notes:

Anax junius - mating pr. caught by John Mackiewicz

Dorocordulia lepida - 6♂ 1♀

Pachydiplax longipennis - 1♂

Lestes rectangularis - 1♂

Nehallania gracilis - 1♂ 1♀

Ischnura verticalis - seen

Enallagma ^{doubledayi} minusculum - seen

Survey Mass.

Drainage _____

Coll. No. 218

Locality Wing Pond about 1/2 mi. W of #5 Mass 28 about 1/2 mi. S of jct. (Cranberry bog ditches)

County Barnstable

Quadrangle _____

Elevation _____

Water Brown, clear

Flow 0

Width - 3'

Vegetation Cranberries

Bottom _____

Current _____

Shore _____

Distance from shore _____

Temperature: Air _____

Water _____

Time _____

Weather clear

Depth of Capture _____

Depth of Water _____

Method of Capture net

Date July 9, 1952

Collected by Gibbs & Mackiewicz

Orig. preserv. cyanide

Time 3:00 - 4:00 DST

General notes:

Gomphus exilis - 2♂

Plathemis lydia - 4♂

Libellula pulchella - seen

L. cyanea - 2♂

Survey Mass.
Drainage _____ Coll. No. 819
Locality Goodwill Park
County Barnstable Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation Mixed woodland
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather cloudy
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 10, 1952
Collected by BH & SP Gibbs + David Wald
Orig. preserv. cyanide Time 1:30 - 3:30 DST
General notes:

Macromia illinoiensis - 2 ad ♂ (1 pinned)

Tetragoneuria ^{Cyhosura} ~~canis~~ - 1 ♀

? Libellula ^{incesta} vibrans - 2 ♂ 1 ♀

Libellula cyanea -

Libellula luctuosa - 1 ♂ 1 ♀

Celithemis elisa - 2 ♂ 2 ♀

Erythemis simplicicollis - 1 ♂

Gomphus exilis - 1 ♂ 1 ♀

Sympetrum rubicundulum - 1 ♂

Enallagma - 1 ♀

Argia violacea - 1 ♂ 2 ♀

✓

Survey Moss.
Drainage _____ Coll. No. 320
Locality Randall Pond
County Barnstable Quadrangle Falmouth Elevation _____
Water Whitish, clear Flow 0 Width - 300'
Vegetation Nymphaea, Brasenia, Utricularia, Juncus
Bottom Sand, silt Current _____
Shore wooded Distance from shore - 10'
Temperature: Air hot Water warm Time 4:15 Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 17, 1952
Collected by R.H. Gibbs (+ J.S. Mackiewicz)
Orig. preserv. cyanide Time 2:45 - 4:15
General notes:

Anax junius - seen

Libellula cyanea ~~seen~~ seen

✓ " incesta - 3♂

✓ " auripennis - 1♂

Platthemis lydia - seen

Erythemis simplicicollis - seen

Pachydiplax longipennis - seen

Ladona ^{exusta} ~~lecontei~~ - 1♀ in woods pinned?

✓ Sympetrum rubicundulum - 1♂ 1♀

✓ Lestes forcipatus - 2♂ 1♀

Ischnura verticalis - seen

Enallagma pictum - 1♂ seen

✓

Survey Noss
Drainage - Coll. No. RHC 221
Locality State Fish Hatchery, Sandwich, Mass
County Barnstable Quadrangle _____ Elevation _____
Water Tanks from artesian wells Flow _____ Width _____
Vegetation sparse
Bottom _____ Current _____
Shore Open Distance from shore _____
Temperature: Air 85 F Water 50-60 Time 11:00-12:00 Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture Net Date July 19, 1952
Collected by Gibbs
Orig. preserv. Put. cyanide Time 11:00-12:00
General notes:

Erythemis simplicicollis - 1 ♂

Sympetrum *rubicundulum* - 1 ♀

Libellula *pulchella* - seen

Libellula *cyanea* - seen

Survey Mass.
Drainage _____ Coll. No. 522
Locality Flashy Pond - Insect class trip
County Barnstable Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation } See previous Flashy notes
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air 85° Water _____ Time _____ Weather Pt. cldy.
Depth of Capture _____ Depth of Water _____
Method of Capture Net Date July 15, 1952
Collected by R.H. Gibbs
Orig. preserv. Pot. cyanide Time 11:00 - 2:00
General notes:

Specimens were mounted

Anax longipes - caught in net 10♂

Libellula auripennis - 3♂ 1♀

Libellula cyanea - 2♂

L. incesta - 2♂

Plathemis lydia - 2♂

Erythemis simplex - 2♂

Tropaeus stigmatus - 2♂

Calithemis - 1♀

✓

Survey Mass.
Drainage _____ Coll. No. 223
Locality Gifford Bog - sec #215
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather Clear
Depth of Capture _____ Depth of Water _____
Method of Capture Net Date July 25, 1952
Collected by A.H. & S.P. Gibbs
Orig. preserv. pot. cyanide Time 200-4:30
General notes:

Lestes forcipatus - 1♂

Lestes rectangularis - 3♂

Ischnura verticalis - 1♂

Sympetrum rubicundulum - 3♂

Survey Mass.
Drainage _____ Coll. No. 224
Locality Sippewisset Rd. near L.W. Francis' Fox Pond
County Barnstable Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time 6:45 Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 30, 1952
Collected by Gibbs & Mockiewicz
Orig. preserv. Cyanide Time 6:45 - 7:30 DST
General notes:

tuberculifera
Aeshna ~~*umbrosa*~~ ^{*verticalis*} - 1♂ 1♀ in envelopes
3♂ 1♀ pinned
flying over road in small swarms

Tropezostigma carolina - seen

Epiaeshna (?) - seen

Survey Mass
Drainage _____ Coll. No. 225
Locality Gifford Bog - see #215 for data
County Buenstable Quadrangle _____ Elevation _____
Water much higher than earlier Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air 70 Water _____ Time _____ Weather W. cldy
Depth of Capture _____ Depth of Water _____
Method of Capture Net Date August 20, 1952
Collected by R. H. & S. P. Gibbs
Orig. preserv. Pot. cyanide Time 3:00-4:00
General notes:

Aeshna ^{tuberculifera} verticalis - 1 ♂
~~umbrosa~~

Aeshna clepsydra - 3 ♂

Sympetrum rubicundulum - 2 ♂ 1 ♀

Libellula pulchella - seen

Libellula auripennis - seen

Lestes forcipatus - 1 ♂

Lestes disjunctus - 1 ♂

Enallagma doubledayi - 1 ♂

✓

Survey New York
Drainage St. Lawrence Coll. No. 226
Locality Junius Bog - 10⁺ miles north of Geneva
County Seneca Quadrangle _____ Elevation _____
Water Brown Flow _____ Width _____
Vegetation Pitcher plant, blueberries, cranberries, tea,
Bottom Sphagnum mat Current none
Shore wooded Distance from shore _____
Temperature: Air 70° Water _____ Time _____ Weather Pt. cloudy
Depth of Capture _____ Depth of Water _____
Method of Capture Net Date September 5, 1952
Collected by PH + SP Gibbs
Orig. preserv. pot. cyanide Time 11:00 - 1:00
General notes:

Lestes disjunctus - 1 ♀

Aeshna verticalis - 5 ♂

Sympetrum rubicundulum - 1 ♂ 2 ♀

Survey N.Y.
Drainage _____ Coll. No. 227
Locality Montezuma
County Cayuga Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date Sept. 14, 1952
Collected by _____
Orig. preserv. _____ Time _____
General notes:

Pantala flavescens - 1 ♀

✓

Survey NY
Drainage _____ Coll. No. 228
Locality Raguet Lake
County Hamilton Quadrangle _____ Elevation _____
Water White Flow _____ Width _____
Vegetation Bresenia, Nymphaeaceae
Bottom _____ Current _____
Shore PT. wooded Distance from shore _____
Temperature: Air 700 Water _____ Time _____ Weather PT. cloudy
Depth of Capture _____ Depth of Water _____
Method of Capture Net Date Sept. 18, 1957
Collected by R. H. Gibbs
Orig. preserv. Pot. cyanide Time 12:10 - 12:15
General notes:

Aeshna umbrosa - 1 ♂

Sympetrum obtrusum - 3 ♂

Survey N.Y.
Drainage Hudson R. Coll. No. 229
Locality Huntington Forest, Newcomb

County Essex Quadrangle _____ Elevation _____
Water Scattered lakes Flow _____ Width _____
Vegetation Spruce, beech, birch, hemlock forest

Bottom _____ Current _____
Shore of lakes, wooded Distance from shore _____
Temperature: Air chilly Water _____ Time _____ Weather Pt. cloudy
Depth of Capture _____ Depth of Water _____
Method of Capture Net Date September 18, 1952
Collected by RH + SP Gibbs
Orig. preserv. Pot. cyanide Time 3:00 - 6:30
General notes:

All specimens were caught over
the roads of the forest — no road though
or nearby clearings was very far from a lake

Aeshna umbrosa - 3♂

Aeshna interrupta 1♂ 3♀ (=nevadensis?)

Anax junius - 1♀

Sympetrum obtrusum
~~costifer~~ - 1♂

✓

Survey N.Y.
Drainage Hudson Coll. No. 230
Locality Huntington Forest - see Coll. # 229
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air chilly also Water _____ Time _____ Weather pt. cloudy
Depth of Capture _____ Depth of Water _____
Method of Capture Net Date Sept. 20, 1952
Collected by R. H. & S. P. G. bbs
Orig. preserv. Pot. cyanide Time 5:30 - 6:00
General notes:

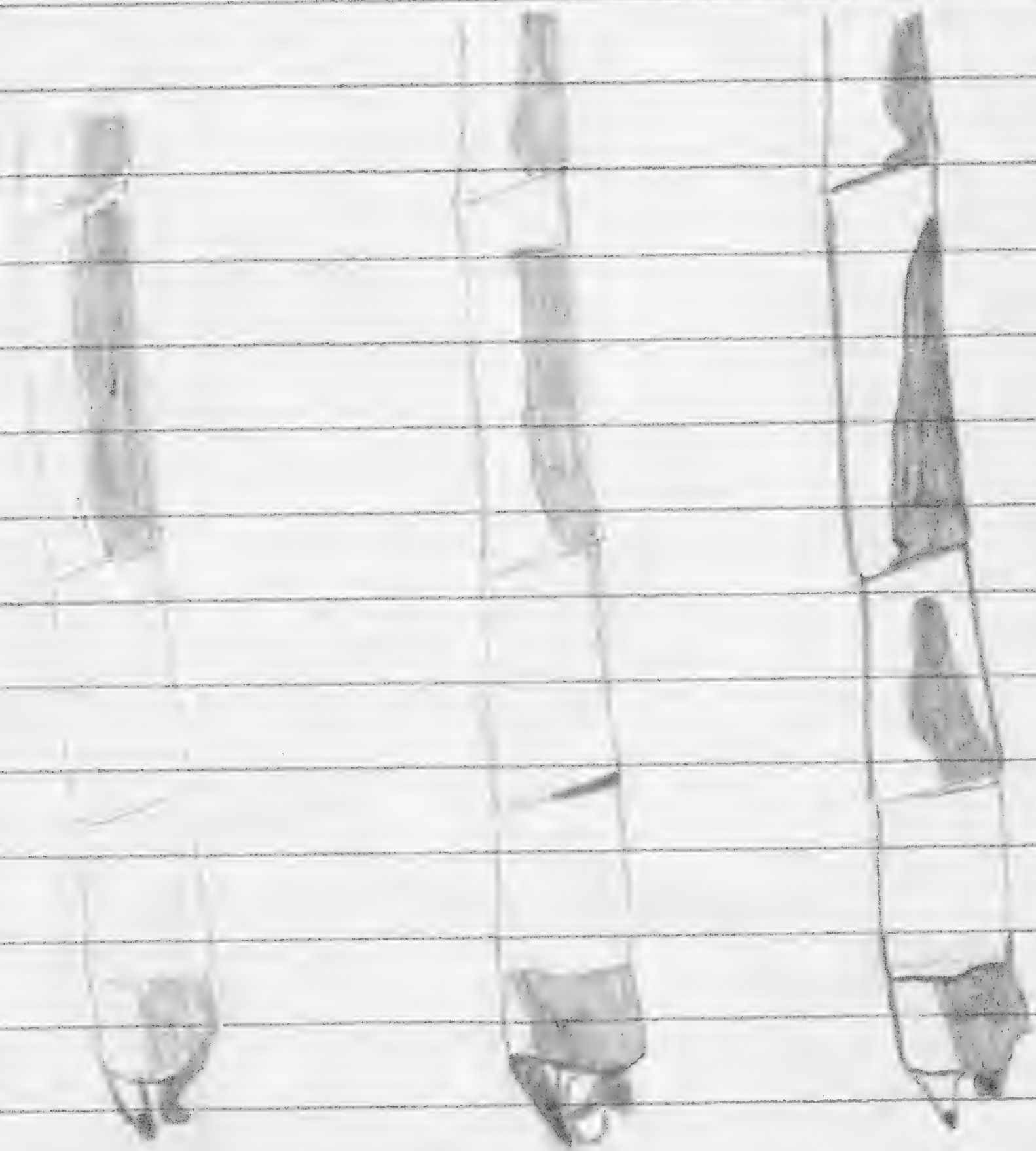
Aeshna umbrosa - 1 ♂

Lestes congener
Argia tibialis - 1 ♀

E. laterale

E. minusculum

E. haageni



Survey Mass.
Drainage Neponset R. (Dorchester Bay) Coll. No. 231
Locality Ponkapoag R. at Elm St. near Hoosick-Whisick Golf Club
about 1+ mi. NW of Ponkapoag
County Norfolk Quadrangle _____ Elevation _____
Water Brown, clear Flow 2'/sec. Width - 10'
Vegetation Sagittaria; grass abundant
Bottom stones, sand, silt Current mod. slow
Shore wooded Distance from shore - 5'
Temperature: Air _____ Water _____ Time 11:45-1:15 Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date June 6, 1953
Collected by R.H. & S.P. Gibbs
Orig. preserv. Pot. cyanide Time 11:45-1:15
General notes:

Cordulegaster diastatops - 6 ♂ common
1 ♀ escaped, rest ♂'s

Tetragoneuria cynosura - 3 ♀

Ladona exusta - 1 ♂

Libellula quadrimaculata - 1 ♂

Agrion maculatum - 2 ♂ 2 ♀ - abundant

Chromagrion conditum - 1 ♂ 1 ♀

Ischnura posita - 4 ♂ 2 ♀

Survey Mass.

Drainage

Coll. No. RHG 232

Locality Farm River at jct. Mass. 128 & Pond St. about 1 mi. NE of N. Randolph

County Norfolk

Quadrangle

Elevation

Water Brown, clear

Flow 50

Width - 25+'

Vegetation Sagittaria, Potamogeton, etc. in stream; Grasses, shrubs in adjoining marshy area

Bottom humus

Current mod. slow

Shore shrubby

Distance from shore - 3'

Temperature: Air

Water

Time 2:00-4:00 Weather Clear

Depth of Capture

Depth of Water ?

Method of Capture net

Date June 6, 1953

Collected by R.H. Gibbs

Orig. preserv. Pot. cyanide

Time 2:00-4:00 PM

General notes:

Tetragoneuria cynosura - 2♂

Libellula pulchella - seen 1♂

Libellula semifasciata - 3♂

Leucorrhinia intacta - 1♂

L. hudsonica - 1♂

±

Lestes inequalis - 2♂

Enallagma divagans - 3♂ 5♀

Ischnura posita - 1♂

Survey Mass.

Drainage _____ Coll. No. RHG 233

Locality Flox Pond near N. Falmouth

County Barnstable Quadrangle _____ Elevation _____

Water _____ Flow _____ Width _____

Vegetation _____

Bottom Sand Current _____

Shore _____ Distance from shore _____

Temperature: Air _____ Water _____ Time _____ Weather _____

Depth of Capture _____ Depth of Water _____

Method of Capture net Date June 6, 1953

Collected by R.H. & S.P. Gibbs

Orig. preserv. Pot. Cyanide Time 6:30 - 6:45 PM

General notes:

Ischura verticalis - 29

Enallagma doubledayi - 107

Water level up about 2' from before. Areas
of emergent reeds almost completely covered.
Much of beach non-existent.

Survey Mass.
Drainage _____ Coll. No. RHG 234
Locality Cedar Bog near Woods Hole
County Barnstable Quadrangle _____ Elevation _____
Water Brown, clear Flow none Width _____
Vegetation Decadon,
Bottom Bog Current _____
Shore Wooded - shrubby Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date June 8, 1953
Collected by R.H. Gibbs
Orig. preserv. Pot. cyanide Time 9:45 - 12:30
General notes:

Gomphaeschna furcillata - 1 ♂
unidentified aeshnine seen
Anax junius - seen
Libellula quadrimaculata - 3 ♂ 1 ♀ common
L. semifasciata - 1 ♂ few
L. pulchella - 1 ♂ seen
Ladona exusta - 2 ♂ (1 pinned)
Leucorrhinia intacta - 5 ♂ 1 ♀ abundant
Tetragoneuria cynosura - 1 ♀ on road
Ischnura verticalis - 1 ♂ } common
I. posita - 1 ♂
Nehalennia gracilis - 1 ♂ - several
Dorocordulia, which I had hoped to find
again, was not seen.
Trapezostigma may have been seen high
in the tree-tops

Water level up $1\frac{1}{2}$ - 2'

1992

2000 2001 2002

Survey Mass.
Drainage _____ Coll. No. RHG 235
Locality Coonamessett R. at Mass. 28
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date June 8, 1953 ?
Collected by _____
Orig. preserv. _____ Time 1:30 - 2:30
General notes:

unidentified aeschnine seen

Libellula quadrimaculata - 1 seen

L. pulchella - 1 ♂ seen

Plathemis lydia - 1 ♂

Ladona exusta - 1 ♂

Ischnura verticalis - 1 ♂ common

I. posita - seen

Amphiagrion saucium - fairly common
1 ♂ 1 ♀

Survey Mass.

Drainage

Coll. No. BHG 236

Locality

L.W. Francis' Flax Pond, Quisset

County

Barnstable

Quadrangle

Elevation

Water

light brown, clear

Flow

Width

Vegetation

Nuphar, Nymphaea

Bottom

Sand, gravel, humus

Current

Shore

wooded

Distance from shore

Temperature: Air

Water

Time

Weather

cloudy

Depth of Capture

Depth of Water

Method of Capture

net

Date June 9, 1953 ?

Collected by

R.H. & S.P. Gibbs

Orig. preserv.

Time

General notes:

Tetragoneuria cyanea - 1 ♀

Enallagma doubledayi - 2 ♂

Ischnura verticalis - 1 ♂

1 other *Enallagma* seen

Survey Mass.

Drainage _____ Coll. No. 237

Locality Ashumet Pond - S. end + adjoining small pond

County _____ Quadrangle _____ Elevation _____

Water white, clear Flow _____ Width _____

Vegetation Nymphaea, Reeds, Cattail, Nymphoides (in small pond)

Bottom Sand, gravel; some silt + peat in small Current _____

Shore wooded to open Distance from shore ~10'

Temperature: Air _____ Water _____ Time _____ Weather clear

Depth of Capture _____ Depth of Water _____

Method of Capture net Date June 10, 1953

Collected by R.H. Gibbs

Orig. preserv. Pot. Cyanide Time 10:00 - 2:00

General notes:

Gomphus exilis -

emergence evident; many females

Basiaeschna juncea - 1 ♂ - alone, had regular beat
on lake edge

Anax junius - 1 ♂ - com. in pond

Libellula pulchella - sev. in pond

L. cyanea - few in pond

Ladona exusta - few in pond - 1 ♂

L. deplanata - com. in pond - 5 ♂

Celithemis elisa - sev. in pond - 2 ♂

Erythemis simplicicollis - 1 seen

Trapezostigma (carolina?) - sev. seen

Enallagma doubledayi - 1 ♂

E. civile - 1 ♂

E. minusculum - 1 ♂

E. aspersum - 1 ♀

Ischnura verticalis - com.

I. posita - 1 seen in pond

water level 1 1/2' up

Survey Mass.
Drainage _____ Coll. No. RHG 238
Locality Flashy Pond + scrubby woods surrounding
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date June 10, 1953
Collected by _____
Orig. preserv. _____ Time 2:00 - 4:30 PM

General notes:

Anax junius - 1♂ 1♀ in tandem ✓

Gomphus exilis - 1♀ - in woods ✓

Tetodonurus cyaneus - 1♂ 1♀ ✓

Didymops transversa !! 1♂ 1♀ in tandem in woods ✓

Plathemis lydia
libellula punctipennis - 1♀ in woods

L. cyanea - 1♀ few in woods

L. auripennis - 1♀ in woods

Ladona deplanata - 1♂ 1♀ common just in woods

L. erusta - 1♂ (pinned)

Celithemis alisa - 1♀ sev. in woods

Leucostictia atripes 2♂ few in woods, 1st 2 possibly seen on edge of pond

Tropenistigma californicum - sev.

Leucocryptus 1♂ apparently just beginning to emerge. Several, but not yet abundant.

Enallagma doubleclayi - 1♂ abundant

E. aspersum - 2♂ - sev.

Ichnura verticalis - few in woods seen

✓

Survey Mass.
Drainage _____ Coll. No. RHG 239
Locality Ashumet Pond
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date June 11, 1953
Collected by R.H. Gibbs
Orig. preserv. _____ Time 10:00 - 12:45
General notes:

Gomphus exilis 1 ♂ - few

Basiaeschna janata - 1 (or 2) seen

Libellula pulchella - 1 ♀ laying seen

Ladona deplanata - few seen

Enallagma civile 8 ♂ - com.

E. minusculum 8 ♂ 1 ♀ - com.

Ischnura verticalis 1 ♂ - com.

Survey Mass.

Drainage _____

Coll. No. RHG 240

Locality Pond near Ransom Rd, Quisset

County Barnstable

Quadrangle _____

Elevation _____

Water Brown, clear

Flow _____

Width _____

Vegetation Brasenia, Nuphar, Pontederia

Bottom Gravel, humus

Current _____

Shore wooded

Distance from shore _____

Temperature: Air _____

Water _____

Time _____

Weather pt. cldy

Depth of Capture _____

Depth of Water _____

Method of Capture net

Date June 11, 1953

Collected by R.H. Gibbs

Orig. preserv. Pot. cyanide

Time 3:30 - 4:30 PM

General notes:

Argia violacea - 1 ♂ in nearby reed

Ischnura verticalis - 1 ♂ - abundant

Survey Mass.

Drainage _____

Coll. No. RHG 241

Locality Ice-house Pond, Quisset

County Barnstable

Quadrangle _____

Elevation _____

Water light brown, clear

Flow _____

Width _____

Vegetation _____

Bottom gravel, humus

Current _____

Shore shrubby woods

Distance from shore _____

Temperature: Air _____

Water _____

Time _____

Weather pt. cldy.

Depth of Capture _____

Depth of Water _____

Method of Capture net

Date June 11, 1953

Collected by R.H. Gibbs

Orig. preserv. _____

Time 4:30 - 5:00 PM

General notes:

Gomphus exilis - 1 ♀ terminal

Argia violacea - 1 ♂

Survey Mass.

Drainage

Coll. No. RHG 242

Locality Duck Pond about 3/4 mi. W of traffic circle at Hyannis airport

County Barnstable

Quadrangle

Elevation

Water Brown, clear

Flow

Width

Vegetation grass

Bottom humus

Current

Shore wooded

Distance from shore

Temperature: Air

Water

Time

Weather clear

Depth of Capture

Depth of Water

Method of Capture net

Date June 13, 1953

Collected by R.H. Gibbs

Orig. preserv. Pot. cyanide

Time 11:45 - 12:30

General notes:

Ladona deplanota - 1 ♂

Erythemis simplicicollis - 1 ♂ seen

Trapezostigma carolina - 1 seen

Anax junius - 1 ♂ seen; 1 exuvium

Enallagma doubledayi - 1 ♂ - fairly com.

Ichnura verticalis - 1 ♂ - com.

I. posita - 1 ♂ - sev.

Lestes eurinus 1 ♂ 2 ♀ - sev + general

L. vigilax - 1 ♂ 1 ♀ - few

Survey Mass.
Drainage _____ Coll. No. 243
Locality Unnamed pond about 3/4 mi. NW of traffic circle at Hyannis airport
County Barnstable Quadrangle _____ Elevation _____
Water Brown, clear Flow _____ Width _____
Vegetation Grass - bog vegetation in center forming doughnut
Bottom humus, sand Current _____
Shore wooded to open Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date June 13, 1953
Collected by R. H. Gibbs
Orig. preserv. Pet. cyanide Time 12:45 - 1:45
General notes:

Anax junius - 1♂ seen
Ladona delpianata - 7♂ 1♀ - abundant
L. exusta (?) - 1♂ - few
Leucorhina intacta - 1♂ - 1 other ♂ seen
Colithemis alisa - 2 ad seen
Erythemis simplicicollis - 1♂

Enallagma doubledayi - 3♂ - com.
E. aspersum - 2♂ - sev.
Isechnura verticalis - 1♂ - com
Lastus vigilax - 1♂ 1♀ - ab. teneral

Survey Mass.

Drainage

Coll. No. RHG 244

Locality Tabinette's Pond, W. Yarmouth

County

Quadrangle

Elevation

Water light brown to brown, clear

Flow 1 ft. in outlet Width

Vegetation Nymphaea, Juncus,

Bottom Sand; humus in NW corner & outlet

Current

Shore wooded

Distance from shore

Temperature: Air

Water

Time

Weather clear

Depth of Capture

Depth of Water

Method of Capture

Date June 13, 1953

Collected by R. H. Gibbs

Orig. preserv.

Time 2:15 - 4:45

General notes:

Tetragoneuria cynosura - 1♂ 4♀ - com. over outlet
1 on pond

Ladona deplanata - 2♂

L. exusta - 1♂ (1♀ pinned)

} about equally
common

Leucorhinia intacta - 1♀

Colithemis alisa - 1♂ - few

Enallagma doubledayi - 1♂ - sev

E. minusculum - 3♂ - sev

E. latior - 2♂ 2♀ - com

E. recurvatum - 3♂ - sev

E. recurvatum - 1♀

Ischnura verticalis - 1♂ - com.

I. posita - 1♂

Lestes vigilax - 1♂ 1♀

Survey Mass.

Drainage

Coll. No. RHG 245

Locality Oyster Pond, Falmouth

County Barnstable

Quadrangle

Elevation

Water White, clear

Flow

Width

Vegetation

Bottom Sand, gravel, silt

Current

Shore ft. wooded

Distance from shore

Temperature: Air

Water

Time

Weather clear

Depth of Capture

Depth of Water

Method of Capture net

Date June 15, 1953

Collected by R. H. Gibbs

Orig. preserv. Pot. cyanide

Time 10:45-11:00 AM

General notes:

Enallagma civile - 2♂

E. signatum - 2♂

Survey Mass.

Drainage _____

Coll. No. RHG 246

Locality Cedar Bog near Woods Hole

County _____

Quadrangle _____

Elevation _____

Water _____

Flow _____

Width _____

Vegetation _____

Bottom _____

Current _____

Shore _____

Distance from shore _____

Temperature: Air _____

Water _____

Time _____

Weather Clear

Depth of Capture _____

Depth of Water _____

Method of Capture _____

Date June 15, 1953

Collected by _____

Orig. preserv. _____

Time 12:00 - 12:45

General notes:

Anax junius - 1 ♂ seen

Tetragoneuria cynosura - 1 ♂

Dorocordulia lepidus - 1 ♂; one more seen (mounted)

Libellula pulchella - 2 ♂ (1 mounted)

L. quadrimaculata - 1 ♂

Leucorrhinia intacta - 1 ♂

Survey _____
Drainage _____ Coll. No. 247
Locality Sals Pond, Falmouth opp. Lawrence Bros.
County _____ Quadrangle _____ Elevation _____
Water White(?) , clear Flow _____ Width _____
Vegetation Najas, Nymphaea, Pontederia
Bottom Sand, rubble, silt Current _____
Shore Pl. wooded Distance from shore _____
Temperature: Air _____ Water _____ Time 3:00-3:30 Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date June 15, 1958
Collected by R.H.G. Ols
Orig. preserv. _____ Time 3:00-3:30
General notes:

Anax junius - 1♂ seen

Ladona exusta - 1♂

Erythemis simplicicollis - 1♂

Collythymis elisa - 1♂ 1♀ seen

Ischnura verticalis - 1♂ 1♀ - killed in process
of sperm transfer

Survey Moss.
Drainage _____ Coll. No. RHG 248
Locality Giffard Bog
County _____ Quadrangle _____ Elevation _____
Water Brown, clear Flow _____ Width _____
Vegetation Utricularia, Nymphaea
Bottom Humus Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date June 15, 1953
Collected by R.H. Gibbs
Orig. preserv. _____ Time 3:45-5:30
General notes:

Dorocentulus lepida - 1 ♀

Libellula quadrimaculata - 1 ♂ - few

L. semifasciata - 1 seen

L. cyanea - 1 ♂ - several

Pachydiplax longipennis - 2 seen

Erythemis simplicicollis - 1 ♂

Leucorrhinia intacta - 1 ♂ - sev.

Lestes forcipatus - 1 ♂ many several

Enallagma doubledayi - 3 ♂

E. cyathigerum - 6 ♂

E. laterale - 1 ♂

Ischnura verticalis - 1 ♂ - com.

I. posita - 1 ♂ - sev.

Nehalennia gracilis - 4 ♂ 2 ♀

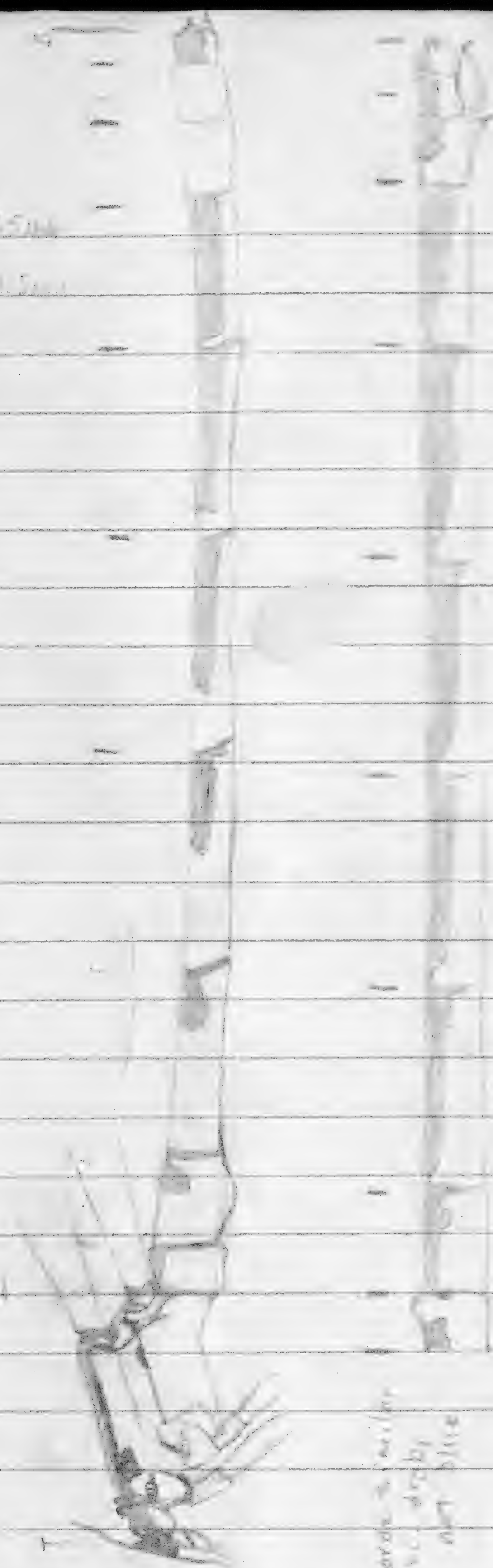
June 16, 1953

Went to Flax Pond near North Falmouth after leaving Sally at their family house. I have never seen *Enallagmas* quite so thick. The water level in the pond is up about a foot and a half from normal so that only in a few patches do reeds protrude more than a few inches. In the other areas the tops of "higher" plants barely emerge. In all of these areas *Enallagma minusculum* flitted about in droves. When I first entered the pond, I excitedly tried to capture the little beasts in an area of plants that emerged only an inch or two. It was impossible to get them without wetting the net. Then I wandered toward shore and found it much more convenient to pick them out of the bushes (pepper bush?). The first of these turned out to be *E. recurvatum*. So I waded quite a way around the lake catching *Enallagmas* in the bushes, interspersed with a *Pachona* or two and a *Gomphus exilis*. *Recurvatum* and *minusculum* were very difficult to distinguish. After a while I thought I could tell them apart because *recurvatum* had a larger amount of black (less blue showing) on the posterior

abdominal segments. This, however, was not infallible. In the field, also, I noted on a few specimens a violet shading on the thorax. On examination of the series later, this proved to be characteristic of minusculeum. Between the two humeral black stripes, the thorax is a rich violet, shading quickly into the normal blue below these stripes. This area is blue in recurvatum. The female of recurvatum has blue areas on the 8th tergum, whereas this is black in minusculeum. One rather disquieting characteristic showed up. Either due to too long a stay in cyanide or some other reason, the ~~thoraces~~ of all the male recurvatum except one became discolored and black. Only a few minusculeum were so affected.

TL 22.5mm

AD 21.5mm



Minuscule

Therapsid
not blue

♂

10.1
17

Survey Mass.

Drainage _____

Coll. No. RHG 249

Locality Flax Pond, N. Falmouth

County _____

Quadrangle _____

Elevation _____

Water _____

Flow _____

Width _____

Vegetation _____

Bottom _____

Current _____

Shore _____

Distance from shore _____

Temperature: Air _____

Water _____

Time _____

Weather clear

Depth of Capture _____

Depth of Water _____

Method of Capture _____

Date June 16, 1953

Collected by _____

Orig. preserv. _____

Time 10:30 - 1:00

General notes:

Gomphus exilis - 1♂ - sev.

Anax junius - seen sev.

Ladona exusta - 7♂ - com

L. deplanota - 2♂ - few

Erythemis simplicicollis - few

Colithemis elisa - few seen

Trapezostigma carolina - 1 seen

Enallagma doubledayi - 2♂ + 1 pair - com. -

E. minuscule - ab. over water - 29♂ + 6 pairs

E. tercurvatum - ab. in bushes on edge

35♂ + 5 pairs

Ischnura verticalis - com. -

Lestes sp. seen

Survey Mass.

Drainage _____

Coll. No. RHG 250

Locality Deer Pond, Falmouth

County Barnstable

Quadrangle Falmouth 7 1/2'

Elevation _____

Water White, clear

Flow _____

Width _____

Vegetation Utricularia

Bottom Sand, gravel

Current _____

Shore wooded

Distance from shore _____

Temperature: Air _____

Water _____

Time _____

Weather clear

Depth of Capture _____

Depth of Water _____

Method of Capture net

Date June 18, 1953

Collected by A.H. Gibbs

Orig. preserv. Pot. cyanide

Time 2:15-2:30 PM

General notes:

Ladona exusta - 1 ♀ - one more seen

Celithemis alisa - sev. seen

Erallogma minusculum - 1 ♂

sev. seen

Survey Mass.

Drainage _____

Coll. No. RHG 251

Locality Flax Pond, N. Falmouth

County Barnstable

Quadrangle _____

Elevation _____

Water White, clear

Flow _____

Width _____

Vegetation Reeds

Bottom Sand, gravel, humus

Current _____

Shore wooded, houses

Distance from shore _____

Temperature: Air _____

Water _____

Time _____

Weather clear

Depth of Capture _____

Depth of Water _____

Method of Capture net

Date June 19, 1953

Collected by R. H. Gibbs

Orig. preserv. Alcohol 95%±

Time 11:00-12:00

General notes:

Ladona exusta - 3♂

L. deplanata - 1♂

Enallagma recurvatum - 8♂ 1♀

E. minusculum - 8♂ 1♀

Survey Mass.
Drainage _____ Coll. No. RHG 252
Locality Flashy Pond, Mashpee
County Barnstable Quadrangle _____ Elevation _____
Water light brown, clear Flow _____ Width _____
Vegetation Utricularia, Nymphaeo, Reeds
Bottom Sand, silt Current _____
Shore Wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date June 19, 1953
Collected by R.H. Gibbs
Orig. preserv. Pot. cyanide Time 2:00 - 3:30 PM
General notes:

Anax junius - 1♂ - ~~ab~~ common (mounted)

A. longipes - 1 or 2 seen

one w/ red abdomen appeared to be laying eggs,
protruding over lily pad

unidentified Aeshnine, probably Aeshna sp.

Libellula auripennis - sev. seen

L. pulchella - 1 seen

Ladona exusta - sev. seen

L. deplanata - few seen

Celithemis elisa - few seen

Leucorrhinia frigida - 1♂ - few seen

Trapezostigma carolina - 1♂ 1♀ - sev. (mounted)

Enallagma doubledayi - ~~ab~~ 1♂ - ab.

E. aspersum - 1♂ - sev.

Ischnura verticalis - few

Lestes ^{*euryus*} ~~*rigidus*~~ - 1♂ 1♀ - com.

Survey Mass

Drainage

Coll. No. RHG 253

Locality Ashumet Pond, Falmouth

County Barnstable

Quadrangle

Elevation

Water White, clear

Flow

Width

Vegetation

Bottom

Current

Shore

Distance from shore

Temperature: Air

Water

Time

Weather Clear

Depth of Capture

Depth of Water

Method of Capture Net

Date June 19, 1953

Collected by R. H. Gibbs

Orig. preserv.

Time 3:45 - 5:00 PM

General notes:

- 12 *Tetragoneuria cynosura* - 1 ♂ in side
Anax junius - sev. seen in side
Libellula auripennis - few seen in side
L. pulchella - few seen in side
Ladona deplanata - 1 ♀ in side
Celithemis elisa - sev. seen in side
Leucorrhinia proxima - 1 ♀ - in side
intacta

Enallagma civile - 2 ♂

E. exsulans - 6 ♂

E. minusculum - 1 ♂

E. doubledayi - 1 ♂ in side pond

Lestes vigilax - 1 ♂ in side

Survey _____
Drainage _____ Coll. No. RHG 254
Locality Pond near Ransom Rd.
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date June 20, 1952
Collected by R. H. Gibbs
Orig. preserv. Pot. cyanide + alcohol Time 10:30 - 12:00
General notes:

Anax junius - seen
Ladona exusta - 4♂ (2 in alcohol)

Trapezostigma carolina - seen

Argia violacea - com - 1♂

Enallagma geminatum - com - 4♂

Ischnura kellicotti - 1♂

Ischnura verticalis - com

Survey Moss.

Drainage _____

Coll. No. 255

Locality Ashumet Pond, Falmouth

& adjoining cranberry bogs

County _____

Quadrangle _____

Elevation _____

Water _____

Flow _____

Width _____

Vegetation _____

Bottom _____

Current _____

Shore _____

Distance from shore _____

Temperature: Air _____

Water _____

Time _____

Weather clear

Depth of Capture _____

Depth of Water _____

Method of Capture net

Date June 20, 1953

Collected by R.H. Gibbs

Orig. preserv. Pot. cyanide + 95% alc.

Time 3:30 - 5:00 PM

General notes:

9

Basiaeschna janata - 1♂ - 1 more seen

Tetragoneuria sp. - seen

Leucorrhinia intacta - 1♂ - com. in bog

Argia moesta - 4♂ 1♀

Enallagma exulans - 1♂ - com.

E. minusculum - 1♂ - com.

Survey Mass.

Drainage

Coll. No. RHG 256

Locality Pond near Ransom Rd., Quisset

County Barnstable

Quadrangle Woods Hole 7½"

Elevation

Water Brown, clear

Flow

Width

Vegetation Nuphar, Nymphaea, Brasenia, Pontederia

Bottom Humus, sand

Current

Shore Wooded

Distance from shore

Temperature: Air

Water

Time

Weather

clear

Depth of Capture

Depth of Water

Method of Capture Net

Date June 22, 1953

Collected by R.H. Gibbs

Orig. preserv.

Pot. cyanide

Time 3:00 PM

General notes:

Enallagma aspersum - 1 ♂ in woods

Survey _____
Drainage _____ Coll. No. RHG 257
Locality Gifford Bog, Falmouth
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date June 24, 1953
Collected by R.H. Gibbs
Orig. preserv. Pot. cyanide, 95% alcohol Time 1:30 - 2:30 PM
General notes:

Anax junius - 1♂ seen

Libellula cyanea - few seen

L. auripennis? - 1 seen

Ladona exulans - sev. seen

Plathemis lydia - 14 seen

Pachydiplax longipennis - sev. seen

Erythemis simplicicollis - 1♂ seen

Celithemis alisa - sev. seen

Enallagma cyathigerum - 2♂ in alcohol - few

E. geminatum - 2♂ - sev

Lestes eurinus - 1♂ - seen -

Survey _____
Drainage _____ Coll. No. RHG-258
Locality Randall Pond N. of Falmouth
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation Utricularia, Nymphaea
Bottom Sand, Humus Current _____
Shore Pt. wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date June 24, 1953
Collected by B.H. Gibbs
Orig. preserv. Pot. cyanide Time 2:45-3:45
General notes:

Anax junius - 1♂ seen

Ladona exusta - few seen

Pachydiplax longipennis - com.

Enallagma geminatum - com. (1♂)

Argia violacea - sev seen

Lestes inaequalis - 1♂

Survey _____
Drainage _____ Coll. No. RHG 259
Locality Tabinette's Pond
County _____ Quadrangle _____ Elevation _____
Water Lt. brown, clear Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date June 25, 1953
Collected by R.H. & S.P. Gibbs + M. Nicely
Orig. preserv. Pot. cyanide + 95% alc. Time 12:00 - 1:00 PM
General notes:

12

Anax junius - seen

Dorocordulia lepida - 4♂ 1♀ (1♂ pinned)

Libellula cyanea - 1♀ pinned - sev

L. quipennis - sev seen in woods

Ladona exusta - 2♂^(1 imago) - sev. seen

No deplanata seen

Celithemis olisa - 2♂ (1 pinned) - sev

Argia violacea - 1♂, com. -

Enallagma minusculum - 2♂^{few} (+ 2 pairs in ditches)

E. doubledayi - 2♂ - few

No E. laterale seen or caught

Survey _____
Drainage _____ Coll. No. RHG 260
Locality Hawksnest Pond,
County _____ Quadrangle _____ Elevation _____
Water lt. brown, clear Flow _____ Width _____
Vegetation Juncus, Nymphaea, Utricularia,
Bottom Sand, humus Current _____
Shore wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date June 25, 1953
Collected by RH & SP Gibbs + M. Nicaly
Orig. preserv. Pot. cyanide, 95% alcohol Time 1:30 - 3:30 PM
General notes:

47 *Gomphus exilis* - 1 seen in woods
Anax junius - 1 ♂
Dorocordulia lepida - 3 ♂ 2 ♀ (1 ♀ pinned)
Libellula inusta - 1 ♂ - few
L. auripennis - 1 ♂ - sev. seen
Erythemis simplicicollis - 1 ♀ - sev
Sympetrum rubicundulum - 1 ♂ 2 ♀ - sev in woods
Celithemis elisa - 2 ♀ (1 pinned) - com.
Trapezostigma carolina - 1 ♀ - few
Leucorrhinia intacta - 1 ♀

Lestes vigilax - 2 ♂ 1 ♀ - com
Enallagma recurvatum - 5 ♂ + 2 ♂ in alc. - com -
E. lotorale - 2 ♂ in alc.
E. minuscolum - 8 ♂ 1 ♀ - com +
E. geminatum - 3 ♂ - com.
Argia viduata - 1 ♂ - sev
Ischnura verticalis - 3 ♂ 1 ♀ - com -
Ischnura kellicotti - 1 ♀ orange
~~possibly *I. kellicotti*~~
Enallagma _____ - 1 ♀

Survey Mass.

Drainage _____ Coll. No. RHG ~~257~~ 261

Locality Ashumet Pond, Falmouth

County Barnstable Quadrangle _____ Elevation _____

Water White, clear Flow _____ Width _____

Vegetation Iris versicolor, Juncus,

Bottom Sand, gravel Current _____

Shore Pt. wooded Distance from shore _____

Temperature: Air _____ Water _____ Time _____ Weather clear

Depth of Capture _____ Depth of Water _____

Method of Capture hand Date June 26, 1953

Collected by R.H. Gibbs, Jr.

Orig. preserv. none Time late afternoon

General notes:

Epicordulia princeps - 35 exuviae
(21 given to insect class)

tremendously common all along
shore.

Survey _____
Drainage _____ Coll. No. RHG 262
Locality Ashumet Pond + side pond (S end)
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture Net Date June 29, 1953
Collected by R.H. Gibbs
Orig. preserv. Pot. cyanide, 95% alc. Time 3:30-5:00 PM
General notes:

Anax junius - 1♂ (pinned) ^{destroyed} - sev. seen

Dromogomphus spinosus - 1♂ teneral (destroyed)

7 exuviae (4♂ 3♀) - 4 survived; pinned

Epicordulia princeps - 1 seen

Libellula auripennis - 1♂ - few seen

Erythemis simplicicollis - 1 seen

Colithemis elisa - few seen in pond

Trapezostigma carolina - 1♂ - sev. seen

Sympetrum rubicundulum - 1♂

Lestes vigilax - 1♂ 2♀ (♂ pinned) in pond

L. unguiculatus - 1♂ in pond (pinned)

Enallagma exulans - 1♂ + 3 pairs in alcohol - abund.

E. civile - 1♂ - few

E. minuscule - 0 - few

Argia moesta - 3♂ 2♀ - com.

Ischnura verticalis - 1♂ - sev

Survey _____
Drainage _____ Coll. No. RHG 263
Locality Oshumet Pond, 3rd
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date July 7, 1953
Collected by _____
Orig. preserv. _____ Time 2:00 - 4:00 PM
General notes:

Dromogomphus spinosus - 24 exuviae

✓

Survey _____
Drainage _____ Coll. No. RHG 264
Locality Oshumet Pond, S end
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date July 4, 1953
Collected by _____
Orig. preserv. _____ Time 12:00 - 2:00
General notes:

✓ *Dromogomphus spincus* - 2♂2♀ - com. in woods
(1♂ 1♀ pinned)

✓ *Anax junius* - 1♂

✓ *Macromia* - 1♂ in woods (pinned)

✓ *Epicordulia princeps* - 1♂ (pinned)

✓ *Libellula auripennis* - 2♂ - com.

✓ *L. incesta* - 1♂ - com. -

L. cyanea - few in pool

Ladona exusta - 1♂ seen

✓ *Ladona* sp. - 1 seen

Erythemis simplicicollis - sex seen

Celithemis elisa - com. - seen

Trapezostigma caroline - few seen

✓ *Argia moesta* - 1 pr. - com.

✓ *Anallagma exulans* - 1 pr. - abund.

✓ *E. civile* - 1 pr. - com.

✓ *E. minasculum* - 1♂ - sex,

E. doubtldayi - com. in pool (seen)

Ischnura verticalis - com. - (seen)

✓ *Lestes vigilax* - few in pool - 1♂

Survey Mass.
Drainage _____ Coll. No. RHG ~~264~~ 265
Locality Flashy Pond, Mashpee
County Barnstable Quadrangle _____ Elevation _____
Water Brown, clear Flow _____ Width _____
Vegetation Nymphaea, Juncus, Utricularia
Bottom Sand, Humus, Current _____
Shore Wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 4, 1953
Collected by R.H. Gibbs
Orig. preserv. Pot. cyanide, 95% alcohol Time 2:30 - 4:00 PM
General notes:

Anax junius - 1♂ - com.

Anax longipes - 1 seen

Dorocordulia lepida - 1♂

Libellula auripennis - 0 - com.

L. incesta - 0 - com. -

Ladona deplanata - 1♀ (+ 2♂ in alcohol)

Erythemis simplicicollis - 0 - few

Celithemis elisa - 0 - few

Leucorrhinia frigida - 1♂ - only one seen

Enallagma doubledayi - abund.

E. aspersum - 2♂ in alc. - several

Lestes eurinus - abund. - 1♂

no other Lestes seen

Survey Mass.

Drainage _____ Coll. No. RHG 266

Locality Sippewisset Beach, Falmouth

County Barnstable Quadrangle _____ Elevation _____

Water Salt & brackish Flow _____ Width _____

Vegetation Spartina, Typha angustifolia

Bottom _____ Current _____

Shore Open Distance from shore _____

Temperature: Air _____ Water _____ Time _____ Weather pt. cldy.

Depth of Capture _____ Depth of Water _____

Method of Capture Net Date July 9, 1953

Collected by R.H. Gibbs (with insect class)

Orig. preserv. Pot. cyanide Time 10:45 - 11:45 AM

General notes:

Anax junius - few seen

Epicordulia princeps - 1 seen

Libellula needhami - com. (seen)

Erythrodiplox berenice - 2♂ 1♀ (pinned) - abund.

Enallagma civile - 2♂ - abund.

Ischnura verticalis - seen

Survey Mass.
Drainage _____ Coll. No. RHG 267
Locality Pond near Ransom Rd.
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather pt. cldy.
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 11, 1953
Collected by R. H. Gibbs
Orig. preserv. Pot. cyanide Time 10:00 - 11:00 AM
General notes:

Anax junius - few seen

Libellula incesta - sev.

Erythemis simplicicollis - sev.

Enallagma geminatum - 2♂ - abund.

E. asperum - 1♂ seen

E. pictum - 1♂ seen, presumably this species. Brilliant red

E. asperum -

Oligia violacea - 1 pair

Ischnura verticalis - com. -

Lestes vigilax - 1♂ - com.

Survey Mass.
Drainage _____ Coll. No. RHG 268
Locality Woods Hole Cedar Bog
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather cldy
Depth of Capture _____ Depth of Water _____
Method of Capture net Date June 11, 1952
Collected by R.H. Gibbs
Orig. preserv. Pot. cyanide Time 9:45-4:15 PM
General notes:

Onax junius - few seen

Erythemis simplicicollis - sev. (1♂)

Pachydiplax longipennis - sev.

Nehalonia gracilis - abund. (2♂ 1♀)

Ischnura posita - few (1♂)

Lestes rectangularis - ten or more seen.

Survey Mass.

Drainage

Coll. No. RHG 269

Locality Ashumet Pond (South end) & adjoining small pond

County Barnstable

Quadrangle

Elevation

Water White, clear - brown, clear

Flow

Width

Vegetation Iris, Juncus — Nymphoides, Brasenia, Algae

Bottom Sand, rubble — humus

Current

Shore

Distance from shore

Temperature: Air

Water

Time

Weather clear

Depth of Capture

Depth of Water

Method of Capture net

Date July 18, 1953

Collected by R.H. Gibbs

Orig. preserv. Pot. cyanide & 95% alc.

Time 2:00 - 3:00 PM

General notes:

Anax junius - com.

Dromogomphus spinosus - 2 seen

Libellula auripennis - 1♂ - com.

L. incesta - com. -

L. cyanea - sev.

Erythemis simplicicollis - com

Celithemis elisa - sev.

Sympetrum rubicundulum - 1♂ - com. -

Trapezostigma carolina - sev.

Enallagma doubledayi - 0 - com. in pond

E. civile - 1 pr. in alcohol - com. on lake

E. exsulans - 0 - com. on lake

Argia moesta - 1♂ - com. - on lake

Lestes forcipatus - 0 - com. - in pond

Lestes vigilax - 1♂
Ischnura verticalis - com. -

Survey Mass.

Drainage _____

Coll. No. RHG 270

Locality Flashy Pond, Mashpee

County Barnstable

Quadrangle _____

Elevation _____

Water Brown, clear

Flow _____

Width _____

Vegetation Nymphaea, Juncus

Bottom Sand, humus

Current _____

Shore Wooded

Distance from shore _____

Temperature: Air _____

Water _____

Time _____

Weather clear

Depth of Capture _____

Depth of Water _____

Method of Capture net

Date July 18, 1953

Collected by R.H. Gibbs

Orig. preserv. Pot. cyanide

Time 3:00 - 4:00 PM

General notes:

Anax junius - - com.

a. longipes - 1 seen

Libellula auripennis - com. -

no other *Libellulas* seen

Erythemis simplicicollis - few

Sympetrum _____ - sev. seen

Trapezostigma carolina - sev. seen

Enallagma doubledayi - 1♂ - abund.

E. aspersum - 1♂ - sev.

Lestes eurinus - 1♂ - com. - in main pond
few seen in tandem

L. vigilax - 1♂ - com. - in small
side area

none in pond

✓

Survey Mass.
Drainage _____ Coll. No. RHG 271
Locality Snake Pond, Sandwich
County _____ Quadrangle _____ Elevation _____
Water White, clear Flow _____ Width _____
Vegetation Lobelia, Juncus
Bottom Sand, pebble Current _____
Shore pt. wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear, windy
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 25, 1953
Collected by R.H. Gibbs
Orig. preserv. Pot. cyanide Time 11:45 - 12:20
General notes:

Celithemis elisa - seen
Erythemis simplicicollis

<i>Enallagma civile</i> - 6♂	- com.
<i>E. minuscule</i> - 7♂	- com.
<i>E. exulans</i> - 8♂	- com.
<i>E. vesperum</i> - 2♂	- few
<i>Argia violacea</i> - 1♂	- few
<i>a. moesta</i> - 1♂	
<i>Enallagma</i> _____	- 1♀
<i>E.</i> _____	- 1♀

Survey Mass.
Drainage _____ Coll. No. RHG 272
Locality Weeks Pond, Sandwich
County _____ Quadrangle _____ Elevation _____
Water Brown, clear Flow _____ Width _____
Vegetation _____
Bottom Sand, humus Current _____
Shore Wooded beyond Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear, windy
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 25, 1953
Collected by R.H. & S.P. Gibbs
Orig. preserv. Pot. cyanide Time 12:20 - 12:40 PM
General notes:

Libellula auripennis - 1♂ - sev.
L. cyanea - few seen
L. pulchella - 1 seen
Erythemis simplicicollis - sev. seen
Celithemis elisa - 1♂ - com. -
C. martha - 2 ♀ - com. - (mostly terminal)
Symptetrum rubicundulum - 1♂ - abund.
S. vicinum - 1♂ 1♀
Trapezostigma carolina - 1♂ seen
Enallagma doubledayi - 3♂ - com.
E. aspersum - 2♂ - sev.
E. geminatum - apparently a mistake;
Lestes rectangularis - 1♂ - SPK
L. disjunctus - 2♂ - few
L. forcipatus - 1♂ - SPK
L. congener - 1♂ terminal
Ischnura verticillata - 1♂ - few
Aigia malacca - 1♂

✓

Survey _____
Drainage _____ Coll. No. RH6 273
Locality Wakeby Pond, Mashpee

County _____ Quadrangle _____ Elevation _____
Water White, clear Flow _____ Width _____
Vegetation little

Bottom Sand, gravel Current _____
Shore wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 25, 1953
Collected by R. H. Gibbs
Orig. preserv. _____ Time 1:00 - 1:30 PM
General notes:

Dromogomphus spinosus (?) - 1 seen & missed
Epicardulia princeps - 1 seen

Ethalognia exsulans - 1♂ - com

E. civile - 1♂ - com.

Aigia moesta - 1♂ - com.

✓

Survey _____
Drainage _____ Coll. No. RHG 274
Locality Lawrence Pond, Sandwich

County _____ Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width _____
Vegetation _____

Bottom Sand, gravel Current _____
Shore pt. wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 25, 1953
Collected by R.H. Gibbs
Orig. preserv. Bt. cyanide Time 2:15-2:30 PM
General notes:

Epicardulia princeps - 1 seen

Colithemis alisa - 1 ♂ - sev. females seen

Enallagma civile - 1 ♂

- com.

E. minimus / *um* - 1 ♂

- com. -

Argia martha - 1 ♂

Survey _____
Drainage _____ Coll. No. RHG 275
Locality Telegraph Hill, Sandwich

County _____ Quadrangle _____ Elevation _____
Water None Flow _____ Width _____
Vegetation _____

Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture Net Date July 25, 1953
Collected by R. H. Gibbs
Orig. preserv. Pot. cyanide Time 3:15 PM
General notes:

Macrania illinoensis - (1 ♂)

✓

Survey Mass.
Drainage _____ Coll. No. RHG 27E
Locality Ashumet Pl., SW end + SE end & pond
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 25, 1953
Collected by R. H. Gibbs
Orig. preserv. Pat. cyanide Time 6:00 - 6:15 PM
General notes:

Enallagma civile - 2♂
E. vesperum - 5♂
E. minuscule - 1♂
E. doubledayi - 1♂ in pond
E. regulans - 1♂
E. _____ - 1♀

Lestes diajunctus - 1♂

Survey Mass.
Drainage _____ Coll. No. RHG 277
Locality Sippewisset Beach, Falmouth
County Barnstable Quadrangle _____ Elevation _____
Water Brown, clear Flow _____ Width _____
Vegetation Typha angustifolia, T. latifolia, Spartina patens (?)
Potamogeton pectinatus
Bottom Muck Current _____
Shore Open Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather Clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 26, 1953
Collected by R.H. Gibbs
Orig. preserv. Pot. cyanide Time 10:00 - 11:00 AM
General notes:

Anax junius - few seen

Libellula needhami - 3♂ 1♀ - com. (1♂ 1♀ pinned)

L. pulchella - few seen

~~4~~ *L. luctuosa* - 1♂ seen

Erythemis simplicicollis - sev. seen

Erythrodiplax berenice - abund.

Enallagma civile - 1♂ - abund.

Ischnura verticalis - com. -

Survey Mass.
Drainage _____ Coll. No. RHG 278
Locality Tidal salt pond off Eel Pond, Woods Hole
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation Grasses
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather cloudy
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 26, 1953
Collected by R.H. Gibbs
Orig. preserv. Pat. Cynide Time 2:00 - 2:30 PM
General notes:

Libellula semifasciata - 1♂ 1♀ (♀ pinned)

L. neodhami - 1♀

L. pulchella - 1♂

L. cyanea - 1♂

Plathemis lydia - 1♂

Erythemis simplicicollis - 1♀

Survey Mass.

Drainage _____

Coll. No. RHG 279

Locality Qshumet Pond (SE end) + adjoining small pond

County _____

Quadrangle _____

Elevation _____

Water _____

Flow _____

Width _____

Vegetation _____

Bottom _____

Current _____

Shore _____

Distance from shore _____

Temperature: Air _____

Water _____

Time _____

Weather cloudy to clear

Depth of Capture _____

Depth of Water _____

Method of Capture net

Date July 30, 1953

Collected by R. H. Gibbs (f insect class)

Orig. preserv. Pot. cyanide

Time 11:00 - 2:00 DST

General notes:

Anax junius -

- com.

Libellula auripennis -

- com. in pond

L. cyanea -

- sev. in pond

L. incesta -

- " " "

Erythemis simplicicollis - com. " " (3♂)

Celithemis olivacea - " " "

C. moerhousi 1♂ - " " "

Sympetrum rubicundulum - sev. in pond

Trapezostigma carolinense - few

Enallagma doubledayi - com. in pond

E. exulans - com. in lake

E. civile - " " "

E. minuscolum - few " "

Lestes _____ - few in pond

Argia moesta - sev. on lake (2♂)

Ischnura verticalis - sev.

Survey N.Y.
Drainage Ontario Coll. No. 280
Locality Cornell Fish Hatchery near Ithaca

County Tompkins Quadrangle _____ Elevation _____
Water White, clear Flow — Width _____
Vegetation abundant

Bottom mud Current _____
Shore open Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date Sept. 28, 1953
Collected by R. H. Gibbs
Orig. preserv. Pot. cyanide Time 3:00 - 3:30 PM
General notes:

Ischnura verticalis - 1♂
Enallagma civile - 2♂
E. carunculatum - 1♂

Sympetrum rubicundulum - 1♂
S. obtrusum - 1♂
S. vicinum - 3♂

Survey N.Y.

Drainage Ontario

Coll. No. 281

Locality Cornell Fish Hatchery near Ithaca

County Tompkins

Quadrangle

Elevation

Water

Flow

Width

Vegetation

Bottom

Current

Shore

Distance from shore

Temperature: Air

Water

Time

Weather cloudy

Depth of Capture

Depth of Water

Method of Capture

Date Sept. 27, 1953

Collected by net

Orig. preserv.

Pot. cyanide

Time

General notes:

Aeshna umbrosa - 1 ♂ - pinned

Sympetrum obtrusum - 1 ♂ 1 ♀ ? pinned

Survey W. Va.
Drainage Monongahela Coll. No. 301 (Fish 403)
Locality Sandy Cr. about 4 mi S of Fellowsville on
W. Va. 92 at Preston-Barbour Co line
County Preston-Barbour Quadrangle _____ Elevation _____
Water White, sl. Turbid Flow 40 Width 30'
Vegetation Sparganium, Podostemum
Bottom Silt, sand Current slow
Shore Open Distance from shore _____
Temperature: Air 74° Water 64° Time 2:30 pm Weather pt. cldy,
Depth of Capture _____ Depth of Water -3½'
Method of Capture net Date August 21, 1953
Collected by RH Gibbs, Jr.
Orig. preserv. Pot. cyanide Time 2:30-3:10 pm
General notes:

Enallagma exulans - 1♂

Argia moesta - 1♂ 1♀

Ischnura verticalis - 1♂

Survey W.Va.
Drainage Monongahela Coll. No. 302
Locality Shaver's Fork of Cheat R. about 6 mi. E of Elkins
at Stuart Recreation area
County Randolph Quadrangle _____ Elevation _____
Water White, clear Flow 25 Width - 80'
Vegetation Spaise in water
Bottom Rock & rubble Current mod.
Shore wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date August 21, 1953
Collected by Gibbs & Caswell
Orig. preserv. Pot. cyanide Time 6:45-7:30 PM-DST
General notes:

Boyeria vinosa - 6 ♂

pinned

Survey W. Virginia
Drainage Kanawha Coll. No. 303
Locality Cranberry Glades
County Pocahontas Quadrangle _____ Elevation 3,300
Water _____ Flow _____ Width _____
Vegetation Vaccinium, alders, Sphagnum, firs
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather pt cloudy
Depth of Capture _____ Depth of Water _____
Method of Capture net Date Aug. 23, 1933
Collected by R. H. Gibbs, Jr.
Orig. preserv. pot. cyanide Time 12:00 - 1:00 pm
General notes:

Boyeria vinosa - 1 ♂ - pinned

Somatocentra tenebrosa - 1 ♂ - pinned

Survey W. Va.
Drainage Kanawha Coll. No. 304 (Fish 406)
Locality Greenbrier Cr. trib of Greenbrier R. 1.5 mi S.
of Penick on US219
County Greenbrier Quadrangle _____ Elevation _____
Water White, clear Flow 50 Width 40'
Vegetation algae
Bottom Rock, rubble Current _____
Shore pasture Distance from shore _____
Temperature: Air 74° Water 68° Time 5:00 Weather pt. cldy.
Depth of Capture _____ Depth of Water 5'
Method of Capture net Date August 24, 1953
Collected by R.H. Gibbs, Jr.
Orig. preserv. pot. cyanide Time 4:00-5:00 DST
General notes:

Boyeria vinosa - 1 ♀

Survey W. Va.
Drainage Kabawha Coll. No. 305
Locality Greenbrier R. near Alderson

County Sumner Quadrangle _____ Elevation _____
Water white, clear Flow 100 Width 100
Vegetation _____

Bottom rock, rubble Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather _____

Depth of Capture _____ Depth of Water _____
Method of Capture Net Date Aug. 24, 1953

Collected by RHG Gibbs
Orig. preserv. pot. cyanide Time _____

General notes:

Heterina americana - 3♂ 2♀

Argia moesta - 1♂

Enallagma _____ 1♀

Dromogomphus _____ 1♂

Hagenius brevistylus - caught by P. Caswell

Survey W. Va.
Drainage Kanawha Coll. No. 306 (RNG 408)
Locality Indian Cr. 1.8 mi. SE of Monroe Co. line
on W.Va. 12
County Monroe Quadrangle _____ Elevation _____
Water White, sl. Turbid-Turbid Flow 30 Width 30'
Vegetation sparse
Bottom Rock, gravel, rubble Current mod.
Shore pasture Distance from shore _____
Temperature: Air 78° Water 74° Time 11:40 am Weather clear
Depth of Capture _____ Depth of Water -2' +
Method of Capture net Date Aug. 25, 1953
Collected by RHGibbs
Orig. preserv. pot. cyanide Time 10:30-11:40 AM DST
General notes:

Hagenius brevistylus - 1 ♂
Boyeria vinosa - seen

Survey Va
Drainage James R. Coll. No. 307 (RHS 412)
Locality Woods beside Johns Cr. 4.2 mi. W of
Newcastle on Va. 311
County Craig Quadrangle _____ Elevation _____
Water White, clear Flow 100 Width -40'
Vegetation Potamogeton crispus
Bottom Rock, gravel Current mod.
Shore wooded Distance from shore -20'
Temperature: Air 84° Water 68° Time 12:00 Weather clear
Depth of Capture _____ Depth of Water -5
Method of Capture net Date Aug. 26, 1953
Collected by SPG:hbs
Orig. preserv. Pot. cyanide Time 11:30 - 12:00 W
General notes:

Sympetrum rubicundulum - 3♀

Survey Va
Drainage James R. Coll. No. 308
Locality Maggoty Creek at picnic table just over
Franklin ct. line
County Franklin Quadrangle _____ Elevation _____
Water White, clear Flow _____ Width -10
Vegetation Spars
Bottom rubble Current mod
Shore Wooded, road Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date Aug. 26
Collected by RH Gibbs
Orig. preserv. pot. cyanide Time 8:00 - 8:15
General notes:

Boyeria vinosa - 2♂

Agrion maculatum - 1♀

Survey Va.
Drainage Kanawha Coll. No. 309 (RIG 419)
Locality New River at jct. of Elk Creek 7.0 mi. W.
of Galax on U.S. 58
County Grayson Quadrangle _____ Elevation _____
Water white clear Flow _____ Width _____
Vegetation spars
Bottom Rubble, rock, gravel Current mod
Shore pt. wooded Distance from shore _____
Temperature: Air 85° Water 70-75° Time _____ Weather pt. cloudy
Depth of Capture _____ Depth of Water _____
Method of Capture net Date Aug. 28, 1959
Collected by RH + SP Gibbs
Orig. preserv. Alc. cyanide Time 1:30 - 4:00 pm DST
General notes:

Macromia _____ seen

Platthemis lydia - seen

Argia moesta - seen

Agrion maculatum - seen

Heterina americana - 3♂

Boyeria vinosa - seen

Libellula luctuosa - seen

Gomphus spiniceps - 1♂ 1♀

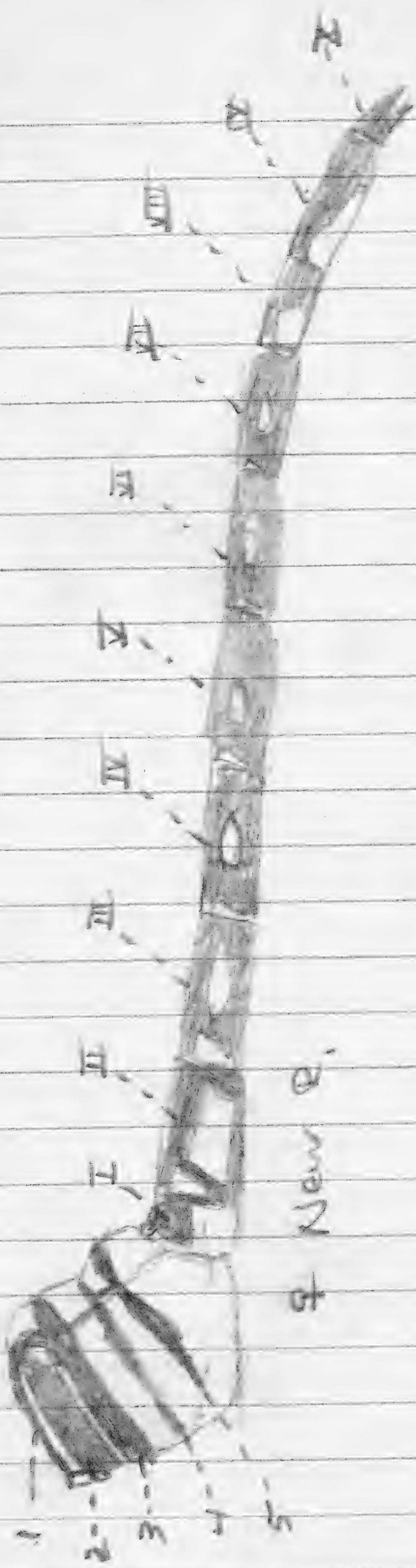
This was an extremely frustrating area. At the New River proper there were quite a few Macromia constantly making a bee-line up and down stream. But in addition to these, there were many more of a large gomphus. Before I finally caught one of these, I believed that all the large ones were Macromia, for these gomphus had an extremely swift and relatively straight flight. However, they seemed to know the presence of a collector, for they had an uncanny ability to fly just beyond net's reach.

Phil Caswell caught the first, a male, on his first swing. He had been lucky enough to step from the bank to find one gomphus flying down a narrow strip of water separated from the mainstream by an island of rocks. (The ~~stream~~^{river} level was far down.)

I finally caught a male and a female, probably the only two good shots I had. The female I must have just brushed, for a quick back flip of the net caught her after the main sweep had failed.

The most disappointing part of the day came when three in tandem came down from about 50 feet up practically into Phil's arms, and in his excitement he swung an instant too soon — and three gomphus headed skyward.

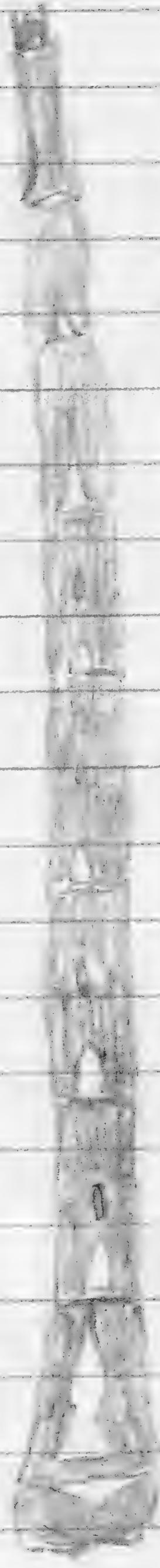
In 2 ^{hours} the mentioned three were all we could get.



♀ New R.

9w/apical dsl. band - no arrow
large side pitre

10 - black



Sag. 1 - wide dsl. arrow, large side pitre w/apical
ring-like area not to dorsum

2 - large dsl. arrow, 2 side pitres

3-7 small dsl. arrow, midl. spiracle - 2 side pitres -
ventward grows smaller

7 w/ long dsl. arrow; 8 w/ short dsl. arrow, large
side pitre



III

IV

V

VI

VII

VIII

IX

Seq. 1 - wide dsl. arrow; wide lat. area

2 - long " ; bifid "

3 - 7 - Short dsl & lateral arrows

8 - shrt. dsl. arrow - wide lat. + apical half-ring

9 - apical half-ring + wide lateral area

10 black

♂ New R,

Light green or

yellow green base color

black stripes

Survey Tenn.
Drainage Tennessee Coll. No. 310 (RHG 423)
Locality French Broad R. 4.4 mi. SW of Parrottsville on
US 411
County Cooke Quadrangle _____ Elevation _____
Water White, turbid Flow 400 Width 150'
Vegetation sparse
Bottom rock rubble; silt in backwaters Current not fast
Shore wooded Distance from shore _____
Temperature: Air 86° Water 76° Time 1:30 pm Weather clear
Depth of Capture _____ Depth of Water 4'
Method of Capture Net Date August 31, 1953
Collected by Gibbs & Caswell
Orig. preserv. Pot. cyanide Time 1:30 - 4:00 p.m. DST
General notes:

Heterina americana - ^{1 ♀} ~~seen~~

Erpetogomphus designatus - 4 ♂

Hagenius brevistylus - caught by PPC

Gomphus plagiatus - 1 ♂

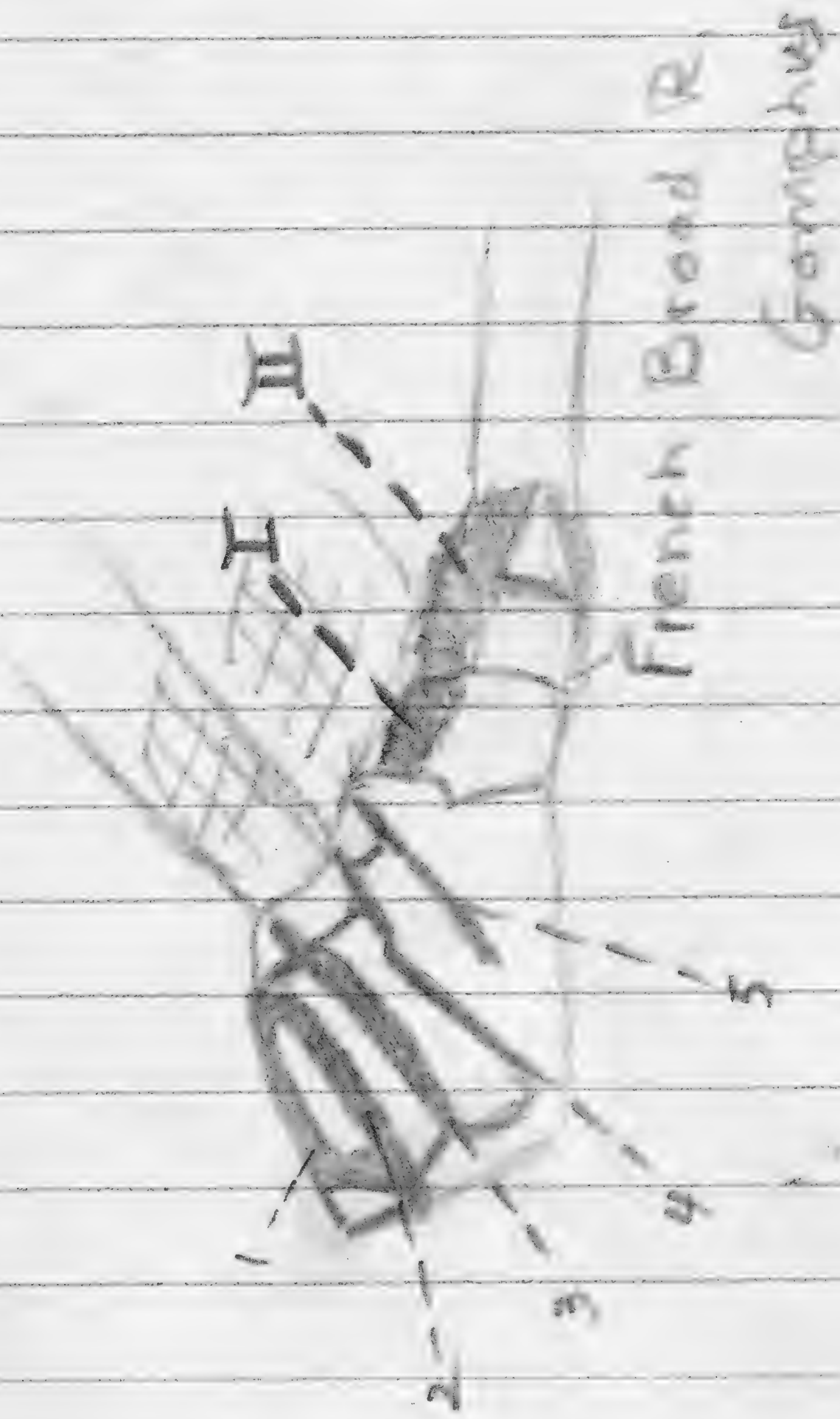
Perithemis tenera - seen

again these stylurus-like gomphines frustrated us. There were several of them which, as they dashed by, appeared to be black with a reddish terminal abdominal portion.

When we had given up seining we chased them for an hour, during which time Phil caught one as it got too close. Usually they would fly in a fairly straight, but often somewhat erratic, course from either downstream or upstream 100 yards or so from our entrance-point into the stream. As they swiftly approached us, they would suddenly veer around us, quite out of reach, go a short distance up or down, and come back again.

After our picnic lunch, I was determined to get one of these, so we took our stand again. Almost immediately four or five began to test our patience and zoomed by us. After a short, but trying time, what should appear but Hagenius. From out of a tree-top it dropped, easy as you please, and plucked one of our Gomphus from its course in mid-air. This was too much for us. We had tried too hard for these to let anything run off with one as easily as that. We saw where it landed, but I could not get it from the river bank, so Phil got up the bank and swatted it. The Gomphus had its head off, but was otherwise in good shape. Hagenius was broken.

Finally, after continuing the chase, at the end of 2½ hours I netted one, at that we had to leave.



last 3 segments brick-red, 4th red grades into
black
Ground color of thorax greenish-gray (quite grayish)

Survey Tenn.
Drainage Tennessee R Coll. No. 311 (RHG 424)
Locality Trip of French Broad R. 8.5 mi. SW of Sevier
Co. line on US 411
County Sevier Quadrangle _____ Elevation _____
Water white, sl. turbid Flow 10 Width 15'
Vegetation sparse
Bottom sand, gravel Current mod.
Shore pt. wooded Distance from shore _____
Temperature: Air 85 ± Water 75 ± Time _____ Weather pt. cldy.
Depth of Capture _____ Depth of Water 2'
Method of Capture net Date Aug. 31, 1953
Collected by SPGibbs
Orig. preserv. pot. cyanide Time 5:00-6:00 p.m. DST
General notes:

Heterina americana - 1 ♂

Agrion maculatum - 1 ♂

Somatochlora — seen

Boyeria vinosa . seen

Plathemis lydia - seen

Survey Tenn.
Drainage Tennessee Coll. No. 312 (RHG 426)
Locality Ninemile Creek above jct. Tenn. 72 + VS 411

County Blount Quadrangle _____ Elevation _____
Water white, turbid Flow 25 Width 20'
Vegetation Sparse

Bottom rock, silt Current mod.
Shore pasture Distance from shore _____
Temperature: Air 90+ Water 80+ Time _____ Weather clear
Depth of Capture _____ Depth of Water -3'
Method of Capture net Date Sept. 1, 1953
Collected by Gibbs and Caswell
Orig. preserv. pot. cyanide Time 2:30 - 2:45 pm
General notes:

Macromia _____ - seen

Hagenius brevistylus - 1 ♂

Survey Tenn.
Drainage Tennessee Coll. No. 313 (RHG 427)
Locality Little R. 7.3 mi. E. of Maryville in Tenn. 73
County Blount Quadrangle _____ Elevation _____
Water white sl. Turbid Flow 100 Width -50' +
Vegetation Justicia
Bottom Grubble, gravel, bedrock Current mod. fast
Shore wooded Distance from shore _____
Temperature: Air 85° Water 78° Time 6:15 pm Weather pt. cldy
Depth of Capture _____ Depth of Water -3'
Method of Capture net Date September 1, 1953
Collected by S.P. Gibbs
Orig. preserv. pot. cyanide Time 4:30 - 6:15 pm DST
General notes:

Heterina americana - 2♂ 3♀

A. tibialis - 2♂
Argia moesta - 1♂

A. translata - 2♂
Enallagma ersulans - 2♂

Mactromia _____ - seen?

Boyeria vinosa - seen

Hagenius brevistylus - 1♂

Survey Ga.
Drainage Alabama Coll. No. 314
Locality Coosa water R. 8.1 mi. SW of Gilmer Co. line
on U.S. 76
County Gilmer Quadrangle _____ Elevation _____
Water white, sl. turbid Flow 20 Width 15'
Vegetation Sparse
Bottom rock, rubble, sand Current mod fast
Shore wooded Distance from shore _____
Temperature: Air 86° Water 76° Time 4:30 PM Weather clear
Depth of Capture _____ Depth of Water -3'
Method of Capture 10' seine Date September 3, 1953
Collected by Gibbs & Caswell
Orig. preserv. Pot. cyanide Time 4:15 PM DST
General notes:

Bayeria vinosa - 1 ♀

Survey Ga.
Drainage Alabama R. Coll. No. 315 (RHG 433)
Locality Talking Rock Creek 2.4 mi. S. of Pickens Co.
line on Ga. S
County Pickens Quadrangle _____ Elevation _____
Water white, sl. Turbid Flow 80 Width 40'
Vegetation Potamogeton? Myriophyllum in side pools
Bottom Rubble, rock, gravel Current mod.
Shore wooded, pasture Distance from shore _____
Temperature: Air 82° Water 78° Time 6:30 pm Weather pt. cldy.
Depth of Capture _____ Depth of Water 4'
Method of Capture 10' seine Date September 3, 1953
Collected by Gibbs and Caswell
Orig. preserv. pot. cyanide Time 6:15-6:20 pm.
General notes:

Aeshna umbrosa - 1 ♂

Survey Ga.
Drainage Chattahoochee Coll. No. 316 (RHG 437)
Locality Vickery Cr. at Roswell

County Fulton Quadrangle _____ Elevation _____
Water white, turbid Flow 60 Width -40'
Vegetation sparse

Bottom sand Current mod.
Shore wooded pasture Distance from shore _____
Temperature: Air 88° Water 75°± Time _____ Weather clear
Depth of Capture _____ Depth of Water -3'
Method of Capture net Date Sept. 6, 1993
Collected by R H Gibbs
Orig. preserv. pot. cyanide Time 4:30-4:45 pm
General notes:

Heterina americana - 1 ♀

Gomphus plagiatus - 1 ♂ - pinned

Survey Ga.
Drainage Altamaha Coll. No. 317 (RHG 440)
Locality Apalachee R. at Walton-Oconee Co. line on
US 78
County Walton-Oconee Quadrangle _____ Elevation _____
Water White Turbid Flow 250 Width 150'
Vegetation Podostemum in riffles
Bottom rock, sand Current mod.
Shore wooded Distance from shore _____
Temperature: Air 84° Water 71° Time 5:30 Weather clear
Depth of Capture ✓ Depth of Water _____
Method of Capture net Date Sept. 7, 1953
Collected by Gibbs
Orig. preserv. Pot. cyanide Time 4:30-5:30 pm
General notes:

Gomphus plogiatus - 1♂ - pinned

Oligia tibialis - 1♂

Survey S. C.

Drainage Santee

Coll. No. 318

Locality North Saluda R. at bridge about 25 mi. N. of Greenville

County Greenville

Quadrangle

Elevation

Water white, clear

Flow mod

Width - 25'

Vegetation sparse

Bottom sand, boulders

Current mod.

Shore wooded

Distance from shore

Temperature: Air

Water

Time

Weather clear

Depth of Capture

Depth of Water

Method of Capture net

Date September 8, 1953

Collected by P. P. Caswell

Orig. preserv.

Pot. cyanide

Time

General notes:

Boyeria vinosa - 1 ♂

Gomphus (Stylurus) laurae - 1 ♂

Survey Ohio

Drainage _____

Coll. No. 401

Locality Field at roadside park about at Lodi

County Medina

Quadrangle _____

Elevation _____

Water _____

Flow _____

Width _____

Vegetation _____

Bottom _____

Current _____

Shore _____

Distance from shore _____

Temperature: Air _____

Water _____

Time _____

Weather _____

Depth of Capture _____

Depth of Water _____

Method of Capture _____

Date June 24, 1954

Collected by _____

Orig. preserv. _____

Time 1:30-1:45 PM EDT

General notes:

Libellula pulchella - sev. seen

Plathemis lydia - 1 ♂ seen

Sympetrum rubicundulum - 1 ♂

3 fritillaries

Survey Okla.

Drainage _____

Coll. No. 402

Locality Caney Cr. S of McAlester

County _____

Quadrangle _____

Elevation _____

Water white, clear

Flow _____

Width - 15'

Vegetation none

Bottom sand, gravel

Current slight

Shore unwooded

Distance from shore _____

Temperature: Air 90-100°

Water 75-85° F

Time _____

Weather clear

Depth of Capture _____

Depth of Water _____

Method of Capture net

Date June 27, 1954

Collected by R. H. Gibbs & S. P. Gibbs

Orig. preserv. pot. cyanide

Time 10-11:00 AM CST

General notes:

Nosiaeschna portarum - 1 ♂ others seen

Progomphus obscurus - 11 ♂ very common

Eupagurionus designatus 2 ♂ no others noted

Gomphus militaris - 1 ♂

Platania lydia
Libellula tuctuosa

Hetaerina titia - 1 ♂ few others seen

Argio apicalis - 1 ♂

Survey Okla.
Drainage Red R. Coll. No. 403
Locality Willis Branch about 1/2 mi. W of Willis
County Marshall Quadrangle _____ Elevation _____
Water white, clear - spring-fed Flow _____ Width 15'
Vegetation common on edges
Bottom sandy clay Current _____
Shore wooded - pasture Distance from shore _____
Temperature: Air 90-100° Water 70-85° Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date June 27, 1954
Collected by RH & SP Gibbs, Lother Hornuff
Orig. preserv. pot. cyanide Time 2:30 - 4:30 PM CST
General notes:

Progomphus obscurus - sev - 3♂
Eretmapodites designatus - 1♀ (1st seen)

Noiaesetia pentacantha ? - 1 seen

Libellula luctuosa - 1♀ - seen
L. pulchella - few seen

Platthemis lydiae - com - 1♂
Erythemis simplicicollis - com - 1♀
Pachydiplax longipennis - com - 1♂ small pond
Perithemis tenera - 1♀

Heteragrion americanum - com - 2♂ 3♀
Aigia virescens - com 2♂ 4♀
A. immunda - com - 12♂ (- 2 to BEM)

A. spiralis - 2♂ 1♀
A. sedula - 2♂
A. _____ - 3♂

Enallagma civile - 2♂

Palaemonetes pugio - 1♂ at stagnant pond

Survey Okla.
Drainage Red R. Coll. No. 400
Locality Same as 403

County Marshall Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____

Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date June 28, 1954
Collected by _____
Orig. preserv. _____ Time 10-11:00 CST

General notes:

Gomphus militaris - 2 ♂

Mallagma georgiana - 1 ♂

Enallagma _____ - 1 ♀

Enallagma civile - 5 ♂ 1 ♀

Enallagma basidens - 1 ♂

Argia apicalis - 1 ♂

Survey Okl.
Drainage Red R. Coll. No. 405
Locality Brier Creek 2 mi E of Powell
County Marshall Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width - 20'
Vegetation sparse
Bottom sand Current none
Shore pt. wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water - 4'
Method of Capture net Date June 28, 1954
Collected by RH & SP Gibbs
Orig. preserv. 10% formalin Time 2 - 4:30 PM CST
General notes:

Gomphus militaris - 1♂

Dytiscus velox - 3♂

Argia ^{*translata*} ~~*intensa*~~ - 1♂

A. modesta - 1♂

A. opacalis - 2♂ 1♀

Survey Okla.
 Drainage — Coll. No. 406
 Locality Farm pond N. of Madill
 County Marshall Quadrangle — Elevation —
 Water white, clear Flow none Width - 100'
 Vegetation abundant - Chora, Typha, Juncus, etc.
 Bottom mud Current —
 Shore pasture, willows Distance from shore —
 Temperature: Air — Water — Time — Weather clear
 Depth of Capture — Depth of Water —
 Method of Capture net Date June 29, 1954
 Collected by RH & SP Gibbs
 Orig. preserv. 10% formalin Time 8-10 AM CST
 General notes:

Gomphus militaris - 5♂ 1♀ - com. - 1♂ 1♀ pinned
Anax longipes - 1♂ seen
Epicordulia princeps - few seen

Perithemis tenera - com. + - none coll.

Libellula luctuosa - 1♂ - ab.

L. pulchella - - few seen

Plathemis lydia - com. - 1♀

Erythemis simplicicollis - 1♂ - ab.

Pachydiplax longipennis - 6043.

Dythemis fugax - 2♂ - com., but very difficult to catch

1 given to Birk

Celithemis eponina - com.

Tramea lacerata - 5♂ 1♀

~~*Tramea*~~

Enallagma basidens - 1♂ 1♀ - com.

Ischnura posita - few seen

I. verticalis - few seen

Survey Okla.
Drainage Red R. Coll. No. 407
Locality Sameas 403
County Marshall Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date June 29, 1954
Collected by R. H. Gibbs
Orig. preserv. pot. cyanide; 95% alcohol Time 1-2:00 PM CST
General notes:

Gomphus militaris - 1♂ - sev.

Progomphus obscurus - 1♂ - sev.

Dromogomphus spoliatus? - 1 seen?

Platthemis lydia - ab.

Argia vivida - 1♂ 3♀ papered

A. immunda - 3♂ 1♀ "

Survey Texas
 Drainage _____ Coll. No. 402
 Locality Turtle Creek, Dallas, not far from 34W (Highland)
 County Dallas Quadrangle _____ Elevation _____
 Water white, clear Flow _____ Width 70'
 Vegetation com. on edges - pecan wood, etc.
 Bottom _____ Current slow
 Shore pl. wooded Distance from shore 3'
 Temperature: Air _____ Water _____ Time _____ Weather clear, pl. cl.
 Depth of Capture _____ Depth of Water 3'
 Method of Capture net Date June 30, 1954
 Collected by RHGibbs (Carol & Lynn Gibbs along)
 Orig. preserv. pet. cyprinids Time 7:30-11 PM, 3-4 PM CST
 General notes:

Gomphus maculatus - 1♂ terminal

Lycidula princeps - 1♂ 1♀ sev. seen

Anthrenus letaria - 1♂ seen

Libellula lectipars - 1♂ sev. seen

L. pulchella - few seen

Anthrenus simplex - 1♂ ab. (discarded)

Portydrax longipennis - ab.

Dytiscus velox - 2♂/1♀ - sev. seen

Argio ^{translata} ~~translata~~ - 1♂

Argio apicalis - 1♂ 1♀

A. sedula - 2♂

Eristalisia basidensis - 1♂

Lebannia posida - 2♂ - sev. seen

L. umburii - 1♂ 1♀

Taharaia ~~alba~~ ^{alba} - 1♂

Survey Texas
Drainage Colorado? Coll. No. 409
Locality E. of Gail on US 130
County Borden Quadrangle _____ Elevation _____
Water white, turbid Flow none Width 30'
Vegetation grass
Bottom mud Current 0
Shore pasture mesquite Distance from shore 3'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 1, 1957
Collected by RH & SP Gilmer
Orig. preserv. Pot. cyanide Time 5:00 - 5:20 PM CST
General notes:

Gomphus militaris - 1♂

Pantala hymenaea - 1♂ 1♀ - common here and
all along highway

Trilogium cincte - 1♂

seen:

Libellula picturata - com.

L. pulchella - com.

Survey New Mexico
Drainage _____ Coll. No. 410
Locality Pecos R. about 4 mi. N of Carlsbad on US 285
County Eddy Quadrangle _____ Elevation _____
Water white sl. turbid Flow none Width 100'
Vegetation none
Bottom sand, rock Current none
Shore pasture, scrub Distance from shore 3'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 3, 1954
Collected by RH Gibbs
Orig. preserv. Pot. cyanide Time 11:30-12:30 AM CST
General notes:

Moroneia sp. (?) - 1 seen

Gomphus militaris - 2♂ 2♀ - seen

Libellula luctuosa - 1♂ seen

Erythemis simplicicollis ^{collocata} - 1♀

Tramea lacerata - 1♂ 1♀ in copula

Pantala hymenea - 1♀

Argia moesta - 1♂ 1♀ in copula - seen

Enallagma civile - 1♂ no others seen

Ischnura barberi - 5♂ 3♀ - seen

Survey Oriz.
Drainage _____ Coll. No. 411
Locality Small stream in Chiricahua Mtns. about 7 mi. N of Portal
County Cochise Quadrangle _____ Elevation _____
Water white, clear Flow ± 1 Width 3'
Vegetation none
Bottom rock, rubble Current mod-slow
Shore wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather pt cldy.
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 6, 1954
Collected by RH Gibbs
Orig. preserv. pot. cyanide Time 11:45-12:15 AM MST
General notes:

Argia vivida? - 4♂-2♀. com.

Argia ^{vivida.} rita - 2 pairs

Survey Ariz.
Drainage _____ Coll. No. 412
Locality Tortilla Flat
County Maricopa Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width 50'
Vegetation sparse, some grass
Bottom sand, rock Current _____
Shore pt. wooded Distance from shore 10'
Temperature: Air _____ Water _____ Time _____ Weather pl. cldy
Depth of Capture _____ Depth of Water 2 1/2'
Method of Capture net Date July 14, 1954
Collected by RH & SP Gibbs
Orig. preserv. Pst. cyanide Time 1-2:30 PM MST
General notes:

Progomphus borealis - 2 ♂

^{soluta}
Libellula exaristata - 1 ♂

Dythemis nigrescens - 5 ♂ 1 ♀

Erythemis simplicicollis - 1 ♀
colorata

Enallagma proctorum - 1 ♂ 4 ♀ - ab.

Ischnura demorsa - 2 ♂ - 5 ab.

A. violacea - 2 ♂ 1 ♀ (= A. v. pollens Colvert)
1908

Telebasis salva - 3 ♂ 1 ♀

Survey Ariz.
Drainage _____ Coll. No. 413
Locality Mingus Mtn. Campground, S. of Jerome
County Yavapai Quadrangle _____ Elevation _____
Water _____ Flow _____ Width -100'
Vegetation sedges on edge
Bottom mud Current 0
Shore open Distance from shore 3'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 14, 1954
Collected by RH & SP Gibbs
Orig. preserv. Pot. cyanide Time 6:30 - 7:00 MST
General notes:

Aeshna multicolor - 2♂

Hetaerina — - 1♀

Ischnura damula - 16♂ 2♀

1. *demorsa* - 1♂

Enallagma civile - 4♂

E. *provarum* - 2♂

E. *boreale* - 3♂

Survey Driz
Drainage _____ Coll. No. 414
Locality Same as 413
County Yavapai Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather Clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date July 15, 1954
Collected by R.H. Gibbs
Orig. preserv. Pot. cyanide Time 9-10:00 AM MST
General notes:

Aeshna multicolor - sev. seen

Libellula saturata - few seen

Sympetrum pallipes - 2♂

S. corruptum - 1♀

Lestes diops - 1♂ 2♀

Enallagma praevarum - 4♂

E. boreale - 1♂

E. _____ - 3♀

E. praevarum - 1♂ 1♀ (tandem)

Ischnura demissa - 2♂

I. damula 1♂ 1♀ (tandem)

I. _____ - 2♀ (orange)

Survey Ariz
Drainage _____ Coll. No. 415
Locality Oak Cr. at Sedona
County Coconino Quadrangle _____ Elevation _____
Water white, clear Flow -50+ Width -75'
Vegetation corn on edges
Bottom gravel, rubble Current mod. fast
Shore wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather pt. cldy
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 15, 1954
Collected by RHG Gibbs
Orig. preserv. Pot. cyanide Time 11:30-12:30 AM MST
General notes:

Epetogomphus designatus - 1♂ others seen

Libellula ^{*saturata*} ~~*esceipennis*~~ - 4 ♂

Hetaerina americana - 1♂ 1♀

Hypocnemis lugens - 3♂ 1♀

Argio virida - 3♂

a. _____ - 2♂

Enallagma proterum - 1♂

Survey Calif.
Drainage _____ Coll. No. 416
Locality Burkeye Flat, Sequoia N.P.
County Tulare Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width - 75'
Vegetation some sedge, etc. on edge
Bottom rock, sand Current fast
Shore washed Distance from shore - 25'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 21, 1954
Collected by R. H. Gibbs
Orig. preserv. Pat. Cyanide Time 8:00 - 8:30 PST
General notes:

Pantala hymenaea - ab, 1♂ 1♀

Brechmorhoga mendax - few seen

Survey Calif.
Drainage _____ Coll. No. 417
Locality E. of Three Rivers
County Tulare Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width - 50'
Vegetation spare
Bottom rock, sand Current fast
Shore pt. wooded Distance from shore - 10'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 21, 1954
Collected by RH & SP Gibbs
Orig. preserv. Pot. cyanide Time 10:15 - 10:45 PST
General notes:

Cordulegaster dorsalis - 1 seen

Pantala hymenaea - ab - 3 ♂ 1 ♀

Hyponeura lugens - 2 ♀

Survey Calif.
Drainage _____ Coll. No. 418
Locality Marble Fork near main road, Sequoia N.P.
County Tulare Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width -20'
Vegetation _____
Bottom rock, sand Current mod to fast
Shore wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 21, 1954
Collected by RH & SP Gibbs
Orig. preserv. Pot. cyanide Time 11:30 - 1:00 PST
General notes:

Cordulegaster dorsalis - 1♂ 1♀ (pinned)

Goshna walkeri - 1♂

Brechmorhoga mendax - 2♂ 1♀ (1♂ pinned)

Pantodonis lineatipes - 1♂

Hetaerina americana - 1♂

Enallagma cyathigerum - 2♂

Argia marita - 1♂

A. _____ - 2♂ 1♀

A. violacea - 1♂

Survey Calif.
Drainage _____ Coll. No. 419
Locality Halstead Cr., Sequoia N.P.
County Tulare Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width 16
Vegetation Scripus, Junco, etc.
Bottom rock, sand Current mod. fast
Shore wooded Distance from shore 5'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 22, 1954
Collected by RHGibbs
Orig. preserv. _____ Time 11:45 - 12:30 AM PST
General notes:

Carduelogaster dorsalis - seen

Aeshna - seen

Pantala hymenaea - 1 ♀ ab.

Survey Calif.
Drainage _____ Coll. No. 420
Locality Jct. Calif. 180 & Hume Rd

County _____ Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width - 3'
Vegetation common

Bottom sand, rock Current mod
Shore low shrub Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 22, 1954
Collected by RH & SP Gillett
Orig. preserv. Pot. cyanide Time 2:00 - 4:00 PM
General notes:

Cardulegaster dorsalis - 4 ♂

Octogomphus specularis - 3 ♂ (1 pinned)

Aeshna walkeri - 4 ♂

Pantala hymenaea - seen com.

Oryia virida - 10 ♂ 4 ♀

Survey Calif.
Drainage _____ Coll. No. 421
Locality Las Banos Wildlife Refuge
County Merced Quadrangle _____ Elevation _____
Water white, clear Flow none Width 4'
Vegetation abund.
Bottom mud Current _____
Shore open Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather cloud
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 23, 1954
Collected by RH & SP Gibbs
Orig. preserv. _____ Time 4-6 PM PST
General notes:

Anax junius - sev. seen

Pachydiplax longipennis - 1♂ 3♀ - ab.

Sympetrum corruptum - 3♂ 9♀ - ab.

on one canal, ♀'s more for more ab. than
males, perhaps local, on a lake, ♂'s were more

Pontania hymenaea - 2♂ 1♀

Enallagma cyathigerum - 14♂ 6♀ - ab.

E. civile - 8♂ 1♀ - ab.

Ischnura elegans - 11♂ 6♀ - ab.

Survey Utah
Drainage _____ Coll. No. 422
Locality Dripping Springs, Zion N.P.
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather cloud
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date July 19, 1954
Collected by _____
Orig. preserv. _____ Time 9:30 AM MST
General notes:

Gestaria

Oploneoschna armata - 1 ♂

Survey Calif.
Drainage _____ Coll. No. 423
Locality Pond at edge of Monterey
County _____ Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width _____
Vegetation tall & short reeds
Bottom ? Current _____
Shore open Distance from shore - 3'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 24, 1954
Collected by RH & SP Gibbs
Orig. preserv. Pot. cyanide Time 11:11.30 AM PST
General notes:

Aeshna multicolor - 13 ♂

♀♀ seen but not captured

Heermann's, Western, & California Gulls present
also coot, mallard

Survey Calif.
Drainage Sacramento R. Coll. No. 424
Locality S. Fork Tuolumne R. just outside Yosemite N.P.
County Tuolumne Quadrangle _____ Elevation _____
Water white, clear Flow 25 Width -40'
Vegetation sparse
Bottom rock, sand Current mod
Shore wooded Distance from shore -5'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 27, 1954
Collected by RH & SP Gibbs
Orig. preserv. Pot. cyanide Time 5:15 - 5:45 PM PST
General notes:

Cordulegaster dorsalis - 2♂

Aeshna _____ - seen

Survey Calif.
Drainage _____ Coll. No. 425
Locality Small lake on road to Tuolumne Meadows
County Tuolumne Quadrangle _____ Elevation _____
Water _____ Flow _____ Width 300'
Vegetation abundant - Sagittaria, many reeds
Bottom barren Current none
Shore wooded, meadow Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 28, 1954
Collected by RH & SP Gibbs
Orig. preserv. _____ Time 3-4:00 PM PST

General notes:

Anax junius - 1 ♀ (♂ Aeshna in copula)

Aeshna interrupta nevadensis - 12 ♂ 3 ♀
1 ♂ in copula with ♀ Anax junius

Cordulia shuttleffi - 2 ♂ 1 ♀

com. -

Leucanthia hudsonica - 1 ♀

Sympetrum corruptum - 1 ♀

5 sp. Erythemis dybowskii - 32 ♂ 17 ♀

(green ♀)

(3 sp.) E. boreale - none!!

(blue ♀)

? Lestes - 1 ♂ 2 ♀

lateral ♀ ab, whole unexamined

Survey Colif. - Nevada
Drainage _____ Coll. No. 426
Locality Topaz Lake
County Mojo - Calif. Douglas - Ariz. Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width _____
Vegetation abundant - many reeds, Juncus, Sagittaria
Bottom mud Current _____
Shore open Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 29, 1954
Collected by RH & SP Gibbs
Orig. preserv. Pot. cyanide Time 1-2.00 PM PST
General notes:

Aeshna sp. - seen

Libellula forensis - 12♂ 1♀ - ab. ♂
Erythemis simplicicollis - 1♂
^{collareta}
Sympetrum occidentale californicum - ab. 9♂ 7♀
Sympetrum decisum - 7♂ 2♀ - ab.

Enallagma clausum - 12♂ 4♀ - ab. (blue ♀)
E. carunculatum - 2♂
E. boreale - 1♀
E. ——— - 1♀
Lestes congener - 1♂

Survey Colif.
Drainage _____ Coll. No. 427
Locality Donner Lake, north end
County Placer Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width _____
Vegetation Scirpus?
Bottom sand Current _____
Shore wooded Distance from shore on shore
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 29, 1952
Collected by KH Gibbs
Orig. preserv. Pot. cyanide Time 6-6:15 PM PST
General notes:

Leek - dryas - 4♂ 9♀

large variation in length in
both ♂♂ and ♀♀

Survey Calif.
Drainage _____ Coll. No. 428
Locality Sagehen Cr. station - boggy stream in meadow
County Placer Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation dry meadow
Bottom humus Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 30, 1954
Collected by PH Gibbs
Orig. preserv. Pot. cyanide Time 9:45 - 10:15 AM PST
General notes:

Ampelisca abbreviata - 6♂ 2♀

Survey Colif.
Drainage _____ Coll. No. 429
Locality Summit L., Lassen Nat. Pl.
County _____ Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width 500' x 1600'
Vegetation reeds on edge
Bottom humus Current _____
Shore wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date July 31, 1954
Collected by RH & SP Gibbs
Orig. preserv. Pot. cyanide Time _____
General notes:

Aeshna interrupta nevadensis - 8 ♂

Synalocha albicincta - 2 ♂

Symphetrum corruptum - 1 ♂

Euclyptus cyathigerum - 6 ♂

Survey Calif.
Drainage _____ Coll. No. 430
Locality Small lakes opposite Summit L., Lassen N. P. - all but one from westernmost grassy pond
County _____ Quadrangle _____ Elevation _____
Water to _____ Flow _____ Width _____
Vegetation abundant
Bottom humus _____ Current none
Shore wooded _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net _____ Date July 31, 1954
Collected by RH Gibbs
Orig. preserv. Pot. cyanide _____ Time 10:30 - 11:30 AM PST
General notes:

Aeshna interrupta nevadensis - 9♂ 2♀

Somatochlora semicircularis - 4♂

Libellula quadrifasciata - 1♂

Sympetrum decisum - 1♂

Lestes d. disjunctus - 1♂

Enallagma cyathigerum - 1♂

Coenagrion resolutum - 1♂

Ischnura corvula - 1♂

Survey Oregon

Drainage _____

Coll. No. 431

Locality stream (irrigation ditch?) about 3 mi. from Rock Point

County Klamath

Quadrangle _____

Elevation _____

Water white, clear - COLD

Flow _____

Width _____

Vegetation common on edge

Bottom sand, gravel

Current mod

Shore _____

Distance from shore _____

Temperature: Air _____

Water _____

Time _____

Weather clear

Depth of Capture _____

Depth of Water _____

Method of Capture net

Date Aug. 1, 1954

Collected by RH Gibbs

Orig. preserv. Pot. cyanide

Time 11:00-11:30 AM PST

General notes:

Aeshna _____

- seen

Libellula _____

(like pulchella) - seen

L. quadrimaculata - 1 ♀

Sympetrum decorum - 5 ♂ 2 ♀ - com.

S. occidentale subsp. - 1 ♂

perhaps intergrade between S. occidentale & californicum

Ischnura cervula

- 1 ♀

Survey Ore.
Drainage _____ Coll. No. 432
Locality Upper Klamath Lake
County Klamath Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation abundant
Bottom _____ Current _____
Shore wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date August 1, 1954
Collected by R.H. Gibbs
Orig. preserv. Pot. cyanide Time _____
General notes:

Aeshna multicolor - 1♂

A. interrupta nevadensis - 2♂

A. palmata - 11♂ - ab.

Libellula forensis - 3♀ - com.

Sympetrum decisum - 2♂

S. occidentale - 1♂ 2♀

Lestes congener - 4♂ 1♀

L. d. disjunctus - 20♂ 6♀ - ab.

Ichnura cervula - 3♂ 3♀

Survey Oregon
Drainage _____ Coll. No. 433
Locality South Fork Coquille R., trib of
County Coos Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation sparse in water
Bottom sand, gravel Current _____
Shore wooded - scrubby Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date August 2, 1954
Collected by RH Gibbs
Orig. preserv. Pot. cyanide Time _____
General notes:

Ophiogomphus severus - 3♂

Agrion oreganense - 3♂ 4♀

Archilestes californicus - 1♂ 9 females

Argia emma - 1♂

Survey Oregon
Drainage _____ Coll. No. 434
Locality Trillium Lake near Swim, Mt. Hood
County Clackamas Quadrangle _____ Elevation _____
Water brown, clear Flow _____ Width _____
Vegetation abundant - meadow
Bottom _____ Current _____
Shore wooded - meadow Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather cloudy
Depth of Capture _____ Depth of Water _____
Method of Capture net Date August 5, 1954
Collected by RH Gibbs
Orig. preserv. Pot. cyanide Time 1-2:00 PM PST
General notes:

Lostes dryas - 1 ♀

Leuconthia hudsonica - 1 ♀

Survey Montana

Drainage _____ Coll. No. 435

Locality Stream N. of Lake McDonald, Glacier N.P.

County Flathead Quadrangle _____ Elevation _____

Water white, clear Flow _____ Width _____

Vegetation uncommon

Bottom barren Current _____

Shore pt. wooded Distance from shore _____

Temperature: Air _____ Water _____ Time _____ Weather clear

Depth of Capture _____ Depth of Water _____

Method of Capture net Date August 7, 1954

Collected by R.H. Gibbs Jr.

Orig. preserv. Pot. cyanide Time 11-12:00 PST

General notes:

Cordulia churchoffi - 2♂ 1♀

Sympetrum decisum - 1♀

Leucorhinia _____ - 1♀

glorialis? has red on dorsum of 1-7 (long)

Enallagma boreale - 1♂ 1♀

Survey Mont.

Drainage _____

Coll. No. 436

Locality Ninepipe Wildlife Refuge S. of Poncha

County Lake

Quadrangle _____

Elevation _____

Water white, clear

Flow _____

Width _____

Vegetation abundant

Bottom mud

Current _____

Shore open

Distance from shore _____

Temperature: Air _____

Water _____

Time _____

Weather clear

Depth of Capture _____

Depth of Water _____

Method of Capture net

Date August 9, 1954

Collected by R.H. Gibbs

Orig. preserv. Pot. cyanide

Time 2-3:00 PM

General notes:

Aeshna interrupta nevadensis - 1 ♂

Symphetrum corruptum - 1 ♀

S. donae - 2 ♀

Lestes congener - 1 ♂

E. pallidus circumscriptum - 3 ♂ 2 ♀ - ab.

E. boreale - 5 ♂ 1 ♀ - ab.

E. abrium - 1 ♀

Ischnura cervula - 3 ♂ 3 ♀ - ab.

+ 2 poils

Survey Mont.
Drainage _____ Coll. No. 437
Locality Pine Creek Recreation Area near Town of Pine Creek
County Park Quadrangle _____ Elevation _____
Water ? Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date August 11, 1956
Collected by D.P. Gibbs
Orig. preserv. Pot. cyanide Time 11:00 AM
General notes:

Aeshna palmata - 1 ♂

Survey Wyo.
Drainage _____ Coll. No. 438
Locality Jackson Elk Refuge
County Teton Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation abundant
Bottom _____ Current _____
Shore open Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather pt. cldy.
Depth of Capture _____ Depth of Water _____
Method of Capture net Date August 13, 1954
Collected by RH Gibbs
Orig. preserv. tot. cyanide Time _____
General notes:

Aeshna _____ seen ab.

Sympetrum danie _____ 8♂8♀ ab.

Survey Wyo.
Drainage _____ Coll. No. 439
Locality Togwotee Pass - small pond
County Park Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width _____
Vegetation cedar on edge
Bottom _____ Current _____
Shore pt. woodrat Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clgy
Depth of Capture _____ Depth of Water _____
Method of Capture net Date August 14, 1954
Collected by RH Gibbs
Orig. preserv. Pot. cyanide Time 12.00 noon
General notes:

Aeshna palmata - 1♂

Survey Colo.
Drainage _____ Coll. No. 440
Locality Small pond near Chalk Mtn., Climax
County _____ Quadrangle _____ Elevation _____
Water brown, clear Flow _____ Width _____
Vegetation common - reeds, Myriophyllum
Bottom mud Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date August 16, 1954
Collected by RH & SP Gibbs
Orig. preserv. Pot. cyanide Time 10:30 - 11:00 AM
General notes:

Aeshna _____

- 5 seen

Sumatoclypea semicircularis - 1 ♂

Leucorhinus hudsonicus - 1 ♂ 1 ♀

Enallagma cyathigerum - 3 ♂ 2 ♀ seen -

Survey N.Y.
Drainage Susquehanna Coll. No. 501
Locality Willseyville Cr. at Willseyville (by creamery on secondary rd.)

County Tioga Quadrangle _____ Elevation _____
Water white Flow mod-fast Width - 40'
Vegetation Sparganium in backwater; grass on banks

Bottom gravel, detritus, rubble, mud Current mod-fast
Shore pasture Distance from shore - 10'
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture - 3' Depth of Water _____
Method of Capture dredge Date April 23, 1954
Collected by R.H. Gibbs (T.W. Donnelly along)
Orig. preserv. _____ Time _____

General notes: Emergences

~~April~~ Ophiogomphus carolus

April 30 - 7♂

May 1 - 3♂

Gomphus descriptus

April 30 - 1♂

Gomphus lividus

May 2 - 1♀

Lanthus albistylus

May 9 - 1♀

May 11 - 1♀

May 13 - 2♂

Agriion maculatum

May 5 - 1♀

May 8 - 1♂ 1♀

Survey N.Y.
Drainage Susquehanna Coll. No. 502
Locality Danby, Michigan Hollow. Michigan Cr. below Beaver Pond.
Creek and widened portion
County Tompkins Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width - 30' +
Vegetation abundant on edges of wide portion
Bottom rubble, mud, detritus Current mod. in creek
Shore scrub Distance from shore - 10'
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture - 3' Depth of Water - 3'
Method of Capture dredge Date April 23, 1954
Collected by R.H. Gibbs (T.W. Donnelly along)
Orig. preserv. _____ Time _____
General notes: Emergences

Tetragoneuria canis
April ~~May~~ 28 - 1 ♂ 1 ♀
April 29 - 4 ♂ 1 ♀
April 30 - 2 ♀
May 1 - 2 ♀

Lanthus albistylus
May 29 - 1 ♀ 54.112

Survey N.Y.
Drainage Susquehanna Coll. No. 503
Locality Danby, Michigan Hollow. Widened part of Michigan Cr. a short distance below Beaver Pond
County Tompkins Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width - 30' +
Vegetation abundant on edges

Bottom mud, detritus, rubble Current slow
Shore scrub Distance from shore - 10'
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture - 2' Depth of Water _____
Method of Capture dredge Date April 29, 1954
Collected by R.H. Gibbs
Orig. preserv. _____ Time _____
General notes: Emergences

Gomphus villosipes

May 11 - 2 ♀

May 12 - 2 ♂

May 13 - 1 ♂

Basiaeschna janata

May 3 - 1 ♀

Plathemis lydia

May 11 - 1 ♂

Tetragoneuria canis

May 3 - 3 ♂ 3 ♀

May 4 - 3 ♀

May 5 - 1 ♀

May 6 - 1 ♀

May 8 - 1 ♀

Tetragoneuria spinigera

May 2 - 1♀

May 6 - 2♂

~~*Libellula patchetta*~~

Survey N. Y.

Drainage Genessee (L. Ontario) Coll. No. 504

Locality Genessee R. S of Wellsville

County Alleghany Quadrangle _____ Elevation _____

Water white, clear Flow _____ Width - 150'

Vegetation sparse

Bottom rubble Current mod

Shore open Distance from shore - 2'

Temperature: Air _____ Water _____ Time _____ Weather clear

Depth of Capture - 2' Depth of Water - ?

Method of Capture dredge Date April 30, 1954

Collected by R. H. Gibbs

Orig. preserv. _____ Time _____

General notes: Emergences

Ophiogomphus carolus

May 5 - 2 ♀

Gomphus desertus

May 6 - 1 ♀

Agrion maculatum

May 11 - 1 ♀

Survey N.Y.
Drainage Susquehanna Coll. No. 505
Locality Willseyville Cr. at Willseyville, on NY 96 at bridge

County Tioga Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width - 40'
Vegetation Sparganium in backwater

Bottom rubble, detritus Current mod
Shore pasture Distance from shore - 5'
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture - 3' Depth of Water - 3'
Method of Capture dredge Date May 7, 1954
Collected by R.H. Gibbs (T.W. Donnelly along)
Orig. preserv. _____ Time _____

General notes: Emergences

Gomphus descriptus

May 11 - 1 ♂

May 12 - 2 ♀

May 13 - 1 ♀

Gomphus lividus

May 13 - 1 ♀

Basiaeschna janata

May 11 - 1 ♀

May 12 - 1 ♂

May 15 - 1 ♂

Survey N.Y.

Drainage Susquehanna

Coll. No. 506

Locality Willseyville Creek. Widened portion near White Church.
Creek and wider part.

County Tompkins

Quadrangle

Elevation

Water white, clear

Flow

Width - 75'

Vegetation

Bottom mud, cinders in pond; detritus, mud, cinders in creek

Current mod

Shore scrub

Distance from shore - 5'

Temperature: Air

Water

Time

Weather

Depth of Capture - 3'

Depth of Water - 3'

Method of Capture dredge

Date May 7, 1954

Collected by R. H. Gibbs (T. W. Donnelly along)

Orig. preserv.

Time

General notes: Emergences

Gomphus exilis

May 13 - 1 ♀

May 16 - 1 ♂ 54.10 ~~1 ♀ 54.15~~

Gomphus furcifer

May 16 - 1 ♂ 54.9 - pinned

May 17 - 1 ♀ 54.22 - pinned

May 18 - 1 ♀ 54.5

Gomphus lividus

May 16 - 1 ♀ 54.8 1 ♂ 54.101 pinned

May 17 - 1 ♀ 54.21

May 18 - 1 ♂ 54.4

Gomphus villosipes

May 17 - 1 ♂ 54.23 1 ♀ 54.24

May 18 - 2 ♂ 54.6, 54.18

May 19 - 1 ♂ 54.32 1 ♀ 54.33

Tetragoneuria cynosura

May 15 - 1 ♂

May 16 - 1 ♂ 54.11 pinned

May 17 - 1 ♀ 54.25

May 19 - 1 ♀ 54.34

~~May 16 - 1 ♂~~

Gomphus descriptus

May 18 - 3♀: 54.1 through 54.3

Survey N.Y.
Drainage Susquehanna Coll. No. 507
Locality Danby, Michigan Hollow. widened part of Michigan Cr. below
Beaver Pond
County Tompkins Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width - 70'
Vegetation abundant on edges
Bottom mud, detritus, rubble Current slow
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture - 2' Depth of Water - 2'
Method of Capture dredge Date May 13, 1954
Collected by R. H. Gibbs
Orig. preserv. _____ Time _____
General notes: Emergences

Tetragoneuria canis

May 14 - ~~4♂ 1♀~~ 2♂ 3♀

May 16 - 5♀

May 17 - 1♂ 54.20 1♀ 54.19

Tetragoneuria spinigera

May 16 - 2♂ 54.99-54.100 both pinned

Libellula pulchella

May 18 - 1♀ 54.7

May 19 - 2♀ (1 = 54.35)

May 20 - 1♀ 54.43

May 22 - 1♀ 54.55

May 23 - 1♀ 54.71

Gomphus villosipes

May 21 - 1♂ 54.59 1♀ 54.58

May 22 - 4♂ 54.48 through 54.51 3♀ 54.52 through 54.54

May 28 - 1♀ 54.110

May 29 - 1♂ 54.113

Survey N.Y.
Drainage Ontario Coll. No. 508
Locality Cascadilla Cr. on Genung Rd. about longitude 76°24'30"

County Tompkins Quadrangle Ithaca East 7½' Elevation 1000'
Water white, clear Flow _____ Width - 20'
Vegetation Sparse

Bottom gravel, clay, detritus; mud on banks Current mod
Shore pasture; alders Distance from shore - 5'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture - 3' Depth of Water - 4'
Method of Capture dredge Date May 14 & 15, 1954
Collected by R. H. Gibbs (T. W. Donnelly along on May 15)
Orig. preserv. _____ Time _____

General notes: Emergences:

Gomphus descriptus

May 16 - 6♂ : 54.12 through 54.17

May 18 - 8♂ 8♀

May 19 - 3♀ - 54.38 through 54.40

Gomphus lividus - ^{May 19} 1♀ 54.31

Agrion maculatum

May 23 - 1♂

Basiaeschna janata

May 18 - 1♂ 54.30

Cordulegaster maculatus

May 18 - 1♂ 54.28 1♀ 54.29

May 19 - 1♂ 54.41

Somatochlora elongata

May 27 - 1♂ 54.105

Gomphus Scudleri

June 9 - 1♂ 54.125

June 12 - 2♂ 54.128, 54.131
1 ♀ 54.130

June 22 - 2♂ 54.135 - 54.136

Survey N. 4.

Drainage Ontario

Coll. No. 509

Locality Fall Cr. S of L. Como at first secondary side road

County Cayuga

Quadrangle

Elevation

Water white, clear

Flow

Width -20'

Vegetation Sparse

Bottom gravel, mud, detritus

Current mod

Shore alders; pasture

Distance from shore -5'

Temperature: Air

Water

Time

Weather clear

Depth of Capture -3'

Depth of Water -3'

Method of Capture dredge

Date May 15, 1954

Collected by R.H. Gibbs (T.W. Donnelly along)

Orig. preserv.

Time

General notes: Emergences

Gomphus descriptus

May 17 - 2♂: 54.26 - 54.27

Gomphus lividus

May 19 - 2♀ 54.36 - 54.37

Lanthus albistylus

May 27 - 1♂ 54.107

Gomphus scudderi

June 6 - 1♂ 54.124

June 11 - 1♂ 54.129

June 21 - 1♀ 54.134

Survey NY

Drainage Susquehanna

Coll. No. 510

Locality Willseyville Cr. near White Church - widened portion

County Tompkins

Quadrangle

Elevation

Water white, clear

Flow

Width -

Vegetation com. on edge

Bottom mud, cinders, detritus

Current slow to none

Shore scrub

Distance from shore - 5'

Temperature: Air

Water

Time

Weather

Depth of Capture - 2'

Depth of Water - ?

Method of Capture dredge

Date May 19, 1954

Collected by R.H. Gibbs (T.W. Donnelly along)

Orig. preserv.

Time

General notes:

Tetragoneuria cynosura

May 22 - 2♀ 54.62 - 54.63

May 23 - 1♂ 54.70

May 24 - 1♂ 54.65

May 28 - 1♀ 54.111

Gomphus exilis

May 22 - 1♀ 54.61

~~Tetra~~

Gomphus furcifer

May 25 - 1♀ 54.69

May 29 - 1♀ 54.114

Survey NY
Drainage Susquehanna Coll. No. 511
Locality Willseyville Cr. ^{near} at White Church - stream below widened
portion
County Tompkins Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width - 10'
Vegetation _____

Bottom gravel, detritus, mud, cinders Current mod
Shore alders Distance from shore - 5'
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture - 2 1/2' Depth of Water - 2 1/2'
Method of Capture dredge Date May 19, 1954
Collected by R.H. Gibbs (T.W. Donnelly along)
Orig. preserv. _____ Time _____
General notes: Emergences:

Gomphus lividus

May 19 - 1 ♀ 54.44

May 20 - 1 ♀ 54.45

May 21 - 1 ♀ 54.64

Gomphus furcifer

May 29 - 1 ♂ 54.115

Tetragoneuria spinigera

May 21 - 1 ♀ 54.75 pinned

~~May 23, - 2 ♂ 54.76 - 54.77 2 ♀ 54.78 - 54.79~~

Gomphus exilis

May 22, 1954 - 1 ♂ 54.56 1 ♀ 54.57

May 24 - 1 ♀ 54.68

May 29 - 1 ♀ 54.109

Gomphus villosipes

May 24 - 1 ♂ 54.67 1 ♀ 54.66

May 25 - 2 ♂ 54.80 - 54.81

6 ♀ 54.82 - 54.84
54.88 - 54.90

May 26 - 2 ♂ 54.93 - 54.94 1 ♀ 54.95

May 29 - 1 ♀ 54.116

May 30 - 1 ♂ 54.117 1 ♀ 54.118

June 10 - 1 ♂ 54.127

Tetragoneuria cynosura

May 23 - 2 ♂ 54.76 - 54.77
2 ♀ 54.78 - 54.79

May 24 - 2 ♂ 54.72 - 54.73
1 ♀ 54.74

May 25 - 2 ♂ 54.86 - 54.87
1 ♀ 54.85

May 26 - 1 ♀ 54.92

May 27 - 1 ♂ 54.106

May 28 - 1 ♂ 54.108

Survey N.Y.
Drainage Susquehanna Coll. No. 512
Locality Chenango Valley State Park. Road and fern glades
beside Chenango R. and extensive pond by golf course.
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time 11:30 - 2:30 PM Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date May 30, 1954
Collected by RH Gibbs (T.W. Donnelly along)
Orig. preserv. cyanide (some kept alive) Time 11:30 - 2:30 PM
General notes:

Chromagrion conditum - 2♂ - common pond

Ischnura verticalis - sev. seen

I. posita - 1♂ caught by Donnelly

Gomphus brevis - 1♀

G. abbreviatus - 1♂ 3♀ } in fern glade beside river

G. spicatus - 2♀ ~~on road~~ in glade & on road

G. exilis - 1♀ on road

Ophiogomphus rupinsulensis - caught by Donnelly

Didymops transversa - seen by Donnelly

Tetragoneuria cynosura - 2♀ - com. teneral, few hardened

Ladona julia - 1♂ 1♀ - ♀ common

Leucorrhinia intacta - 2♂ 1♀ - teneral ♀ common

L. hudsonica - 1♂ teneral few hardened ♂♂

Survey NY

Drainage Ontario

Coll. No. 513

Locality Virgil Cr. just NW of Dryden Center

County Tompkins

Quadrangle Groton

Elevation

Water white, clear

Flow slow

Width -30'

Vegetation sparse

Bottom mud

Current slow

Shore pasture

Distance from shore -5'

Temperature: Air

Water

Time

Weather clear

Depth of Capture -2½'

Depth of Water -3'+

Method of Capture dredge

Date May 30, 1954

Collected by R. H. Gibbs (T. W. Donnelly along)

Orig. preserv.

Time

General notes:

Survey NY
Drainage Ontario Coll. No. 514
Locality Cascadilla Cr. at longitude 76° 24' 30" on Genung Road

County Tompkins Quadrangle Ithaca east Elevation _____
Water white, clear Flow _____ Width - 15'
Vegetation sparse

Bottom clay, sand, gravel, rubble Current mod
Shore pasture; alders Distance from shore - 5'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture - 3' Depth of Water - 3'
Method of Capture dredge Date May 30, 1954
Collected by R.H. Gibbs (T.W. Donnelly along)
Orig. preserv. _____ Time _____

General notes:

Gomphus (Stylurus) scudderi

June 16 - 1♂ 54.132

June 19 - 1♀ 54.133

Lanthus albistylus

June 10 - 1♂ 54.126

Survey Mass.

Drainage _____

Coll. No. 515

Locality Flax Pond, N. Falmouth

County Barnstable

Quadrangle _____

Elevation _____

Water white, clear

Flow _____

Width _____

Vegetation Juncus, Nymphaea

Bottom sand, humus

Current _____

Shore scrubby

Distance from shore _____

Temperature: Air _____

Water _____

Time 1:00-2:00

Weather clear

Depth of Capture _____

Depth of Water _____

Method of Capture net

Date June 16, 1954

Collected by RH Gibbs

Orig. preserv. pot. cyanide

Time 1:00-2:00 DST

General notes:

Anax junius - few seen

Progomphus obscurus - 1 ♀ teneral

Ladona exusta - com. - 1 ♂

L. deplanata - sev. - 1 ♂

Lestes vigilax - 1 ♂

3 sp. *Enallagma recurvatum* - ab. 28 ♂ 16 ♀

E. minusculum - com. 13 ♂ 2 ♀

E. geminatum - 2 ♀

Survey Mass.

Drainage _____ Coll. No. 516

Locality Jabinette's Pond, W. Yarmouth

County Barnstable Quadrangle _____ Elevation _____

Water white-brown, clear Flow _____ Width _____

Vegetation Juncus, Nymphaea

Bottom sand to humus Current _____

Shore scrubby Distance from shore _____

Temperature: Air _____ Water _____ Time _____ Weather clear

Depth of Capture _____ Depth of Water _____

Method of Capture net Date June 16, 1954

Collected by R. H. Gibbs

Orig. preserv. pot. cyanide Time 3:00 - 4:15 DST

General notes:

Anax junius - sev. seen

Tetragoneuria cyrosura - 2♂ 5♀

Ladona exusta - com. - 2♂

L. deplanata - sev.

Celithemis elisa - beginning to emerge, mostly
teneral

Enallagma laterale - com. 2♂ 3♀

E. minusculum - few

E. recurvatum - few - 4♂ 1♀

E. civile - 1♂

E. doubledayi - 1♂ 1♀

E. geminatum - 1♀

E. _____ - 1♀

E. cyathigerum - 1♂

Survey Mass.
Drainage _____ Coll. No. 517
Locality Hoar's Dam and Concord River, Concord
County Middlesex Quadrangle _____ Elevation _____
Water brown, clear Flow _____ Width _____
Vegetation abundant in ponds, common on river edge
Bottom humus Current _____
Shore open (ponds) wooded (river) Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date June 20, 1954
Collected by R.H. & S.P. Gibbs
Orig. preserv. pot. cyanide Time 12:00 - 3:00 DST
General notes:

unid. Gomphine on river

Tetragoneuria cynosura - com. - 6♂

Epicordulia princeps - sev. on river - seen

Libellula luctuosa - com. - 2♂

L. incesta - 1♂

L. cyanea - few - 1♂

Pachydiplax longipennis - very ab. - 1♂ 1♀ (tandem)

Erythemis simplicicollis - com. - 1♂

Leucorrhinia intacta - sev. - 3♂

Chromagrion conditum - 1♂

Lestes inequalis - 1♂ 1♀ near river

L. rectangularis - sev. seen near river

Argia violacea - 1♂ seen near river

Ischnura verticalis - seen

I. posita - 1♂

Enallagma hageni - 8♂

E. geminatum 4♂ 2♀

Enallagma geminatum - ab.

E. hogeni - com.

Chromagrion conditum - 1♂

Survey Penna.
 Drainage Delaware Coll. No. RHG 55-1
 Locality Unami Creek at Finland
 County Bucks Quadrangle _____ Elevation _____
 Water white, clear Flow 200 Width -50'
 Vegetation sparse
 Bottom coarse sand, gravel, rubble Current mod
 Shore wooded Distance from shore _____
 Temperature: Air ?60F Water ?55F Time _____ Weather clear
 Depth of Capture *3' Depth of Water -3'
 Method of Capture dredge, rake & seine Date April 9, 1955
 Collected by Gibbs, Beatty
 Orig. preserv. kept alive Time 1:30-4:30PM

General notes: River not particularly high or low. Main stream
 and small tributaries (as small as 6-12" wide) examined.
 Only one Cordulegaster taken in stream, other in river.
 Larvae taken:

Basiaeschna janata - 2

Dromogomphus spinosus - 5

Cordulegaster obliquus - 21
 C. maculatus - 1

Gomphus exilis - 38

Tetragoneuria cynosura - 15

Agrion aequabile - 1

G. abbreviatus - 13

G. lividus - 7

Macromia ~~11~~ ~~colaris~~ - 12 1

Didymops transatlantica - 11

Neurocordulia obsoleta - 4

Survey N.Y.
Drainage Susquehanna Coll. No. RHG 55-2
Locality Willseyville Cr. at headwaters at White Church.
Pond and stream.
County Tompkins Quadrangle _____ Elevation _____
Water Brown, clear Flow _____ Width Pond - 100'
Stream - 10'
Vegetation abundant
Bottom silt, sand Current mod
Shore pasture Distance from shore -5'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture dredge Date April 23, 1955
Collected by R.H. Gibbs
Orig. preserv. none Time 2-3:00 PM
General notes:

Gomphus fuscifer

Tetragoneuria conis

T. cynosura

Plathemis lydia

Survey N.Y.
Drainage Cayuga L. → Ontario Coll. No. RHG 55-3
Locality Fall Cr. about 3 mi. E Etna

County Tompkins Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width - 100'
Vegetation same on edges

Bottom rubble, rock Current med
Shore wooded Distance from shore - 3'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water few inches
Method of Capture net Date June 5, 1955
Collected by R.H. Gibbs
Orig. preserv. pot. cyanide Time 8:00 PM
General notes:

Survey N.Y.
 Drainage _____ Coll. No. 55-4
 Locality stream 10 mi. N. of Long Lake, N. of Big Rock
 County Hamilton Quadrangle _____ Elevation _____
 Water brown, clear Flow _____ Width 20'
 Vegetation corn - grasses, sedge
 Bottom sand, gravel Current mod
 Shore wooded (low) to older Distance from shore 10'
 Temperature: Air _____ Water _____ Time _____ Weather pt. cldy.
 Depth of Capture _____ Depth of Water 2'
 Method of Capture net, dredge Date VI-9-1955
 Collected by R.H. Gibbs
 Orig. preserv. Pot. cyanide Time 8:30 - 11:00 AM
 General notes:

Cordulegaster maculatus - very ab. The only species
 in evidence until about 10 AM. Mating pairs,
 after the initial consort, soiled out of sight.
 ♀'s oviposited near piles of rocks or large rocks,
 dipping quickly one to 20 or more times in
 a row. Very easy to catch at narrow points
 in stream. 14♂ 2♀

Gomphus desertus 6♂ more row as morning progresses.

Baetis junata - 1♂ 2 seen

Helocordulia uhleri - 1♂

This was a truly beautiful spot. As I watched
the yellow and black beauties fly by, the
organpipe trilling of the mourning warblers sang
in the thickets, magnolia warblers and
white-throated sparrows echoed nearby.
Alder and olive-sided flycatchers made their
presence known.

Survey N.Y.
Drainage _____ Coll. No. RHG 55-5
Locality Boggy area about 5 mi. NW of Otter Lake
County Oneida Quadrangle _____ Elevation _____
Water Brown, clear Flow none Width 300'
Vegetation abund. - sphagnum, iris, sedge, etc.
Bottom Bay Current none
Shore wooded Distance from shore 50'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water ?
Method of Capture net Date VI-9-1955
Collected by R. H. Gibbs, Jr.
Orig. preserv. Pot. cyanide Time 1:30-2:45 PM
General notes:

Cordulegaster sp. - 1 seen

Cordulia shurtletti - com. - 60⁺

Ladona julia - very ab. - not at all to sit on net
or my person. - 140⁺ 1⁺

Plathemis lydia - 1⁺ seen

Libellula quadrimaculata - com. - 10⁺

Leucorrhinia hudsonica - very ab. ~~50~~ ~~30~~ 110 6⁺

L. proxima - uncommon - 30⁺

Nonnothemis bella - one only 1⁺

Ceragrion resolutum - not uncom. - 80⁺ 2⁺

Enallagma cyathigerum - abund. 150⁺ 4⁺

E. hageni - uncom. - 30⁺
E. boreale - 10⁺ 1⁺

Chironagrion conditum - few - 10⁺

Survey N.Y.
Drainage _____ Coll. No. RHG 55-8
Locality 10 mi N. of Long Lake, N.Y.
Bia Brook (same as 55-4)
County Hamilton Quadrangle _____ Elevation _____
Water Brown, clear Flow _____ Width -20'
Vegetation com., grasses, sedge
Bottom sand, gravel Current mod
Shore low woods, alder Distance from shore -10'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net, dredge Date VII-20-1955
Collected by P.H. Gibbs
Orig. preserv. Pot. cyanide Time 11:30-1:00 PM
General notes:

1 Aechmidae - unidentified

Hagenius brevistylus - sev. - 1 ♂

Lonthus albistylus - 1 ♂

Optiogrammus aspersus - sev. - 2 ♂

Samolochilora elongata - 2 ♂

Sympetrum obtusum - 1 ♂

Oalepteryx maculata - com.

Aegia violacea - 2 ♂ 2 ♀

Survey N.Y.
Drainage _____ Coll. No. 55-7
Locality Bog on N side of road between Merrillville and Onychia
County Franklin Quadrangle _____ Elevation _____
Water brown, clear Flow none Width 150'
Vegetation Nuphar, Eriophorum, Vaccinium,
Pitcher plant
Bottom silt Current _____
Shore wooded to meadow Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date September 17, 1955
Collected by R.H. + S.P. Gibbs
Orig. preserv. Pot. Cyanide Time 3-4 PM
General notes:

Aeshna umbrosa - 3 ♂

A. interrupta - 1 ♂ 1 ♀

Ectatoma concolor - 6 ♂ 2 ♀

Ischnura verticalis - 1 ♂ seen

Survey Fla.
Drainage St. Mary's (?) Coll. No. 56-1
Locality Unnamed creek at state roadside stop
6.0 mi. N of Baldwin
County Duval Quadrangle _____ Elevation _____
Water Brown, clear Flow almost 0 Width - 30'
Vegetation abundant - Bidens beckii, Hippurus, Myriophyllum
Bottom Sand, mostly muck Current -
Shore wooded Distance from shore - 3' ±
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water 3' ±
Method of Capture net Date III - 30 - 1956
Collected by R. H. Gibbs
Orig. preserv. Pot. cyanide Time 12:00 - 1:00 PM
General notes:

Aeshnid (Nasiaeschna?) - 2 + seen

Tetragoneuria cynosura - ~~1~~ 1 ♂

Perithemis sp. - seen, sev.

Erythemis simplicicollis - 1 seen

Ischnura posita - sev. - 1 ♂

Enallagma geminatum - 1 ♂

Survey Fla.
Drainage _____ Coll. No. 55-2
Locality Josephine Cr. N of Lake Placid
County Highlands Quadrangle _____ Elevation _____
Water Brown, clear Flow _____ Width - 75'
Vegetation abundant in parts - Eichhornia commonly.
Bottom Sand, muck Current slow to mod.
Shore wooded Distance from shore - 20'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net, dredge Date III - 31 - 1956
Collected by R. H. Gibbs
Orig. preserv. pot. cyanide Time 12:30 - 12:30 PM
General notes:

Gomphus sp. - large, yellow + black - 1 seen

Gomphus minutus - few - 2 ♂.

Erythemis simplicicollis - ab - 1 ♀

Pachydiplax longipennis - ab - 1 ♂

Perithemis ^{tenera} ~~semitrilineata~~ - com - 2 ♂

Erythrodiplax connata minuscula - few - 1 ♂

Libellula (auripennis?) - few seen

Agrion (dimidiatum?) - 1 seen

Argia fumipennis - ab. - 3 ♂

A. sedula - sev. - 2 ♂ 1 ♀

Ischnura - sev. seen

Survey Fla.
Drainage _____ Coll. No. 56-3
Locality Artificial pond 5 mi. N of Collier Co. line
on Fla. 29
County Hendry Quadrangle _____ Elevation _____
Water white (?), clear Flow — Width 300'±
Vegetation sedges sparse along shore
Bottom mud, sand Current —
Shore prairie Distance from shore - 3'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water - 2' ± ?
Method of Capture net Date III-31-1956
Collected by R.H. Gibbs
Orig. preserv. pot. cyanide Time 4:30-5:30 PM
General notes:

Celithemis eponina - com.
C. (bertha or amanda?) - 2 seen
Perithemis seminole - com.

Ischnura verticalis - com. 2♂ 1♀

Survey Fla.
Drainage _____ Coll. No. 55-4
Locality Lower Matecumbe Key
County Monroe Quadrangle _____ Elevation _____
Water ? Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date April 3, 1956
Collected by _____
Orig. preserv. _____ Time _____
General notes:

Libellula needhami - 1 ♀

in dump away from any water

Survey Fla.
Drainage _____ Coll. No. 56-5
Locality Small pond on highway 721 NE of Lakeport
0.7 mi. from jct. ~~721~~ Fla. 78
County Glades Quadrangle _____ Elevation _____
Water brown, clear Flow _____ Width - 100' +
Vegetation sparse - sedges scattered on edge
Bottom ? Current -
Shore open Distance from shore - 1'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date April 4, 1956
Collected by R. H. + S. P. Gibbs
Orig. preserv. Pot. cyanide Time 5:00 - 5:30 PM
General notes:

Epicordulia (regina?) - hit + head caught in net,
but rest not found

Tetragoneuria stella? - 1 ♀

Celithemis monomelaena - 1 ♂

Cannacia gravida - com - 1 ♂ 2 ♀

Ischnura verticalis - com.

I. ramburii = redula - 3 ♀

Enallagma cyathigerum - 4 ♂ 4 ♀

2 Aeshnid exuviae

Survey Fla.
Drainage _____ Coll. No. 56-6
Locality Cypress swamp about a half mile off hwy 98,
1.4 mi. W of Taylor River Crossing
County Okeechobee Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date _____
Collected by _____
Orig. preserv. _____ Time April 4, 1956
General notes:

Coryphaeschna ingens - 1 ♀

Survey Fla.
Drainage _____ Coll. No. 56-7
Locality Stream behind cemetery off US 98, 1/4 mi. W Taylor R. crossing
County Okeechobee Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width -6'
Vegetation sparse - some on edges of wider spots
Bottom sand Current mod
Shore wooded to open Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water -6"
Method of Capture net Date April 5, 1956
Collected by A.H. Gibbs
Orig. preserv. _____ Time 7:30 - 8:00 AM
General notes:

Tetragoneuria cynosura - com 2♂ 3♀

Argia sedula - 1♂ 1♀

Lestes - few

Survey Fla.
Drainage _____ Coll. No. 56-8
Locality same as 56-6
County Okeechobee Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date _____
Collected by _____
Orig. preserv. _____ Time April 5, 1956

General notes:

Gomphus - minutus 1 ♂

Coryphaeschna ingens - com. flying and -
resting on cypress trees, hanging with
abdomen vertical. - 1 ♂

C

Libellula (auripennis?) - few

Pachydiplax longipennis - 1 ♀

Erythemis simplicicollis - 1 ♂

Survey Fla
Drainage _____ Coll. No. 56-9
Locality Stream 1.7 mi. S of hwy S 523 on first road
going south from Kenansville
County Osceola Quadrangle _____ Elevation _____
Water brown, clear Flow _____ Width - 6'
Vegetation abund.

Bottom sand, muck Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date April 5, 1956
Collected by _____
Orig. preserv. _____ Time 10:30-12:00 AM
General notes:

Enallagma pollutum - 1♂

Coryphaeschna ingens - 1♂
Gomphus pallidus - 5♂ 1♀
Ladona deplanata - 2♂
Erythemis simplicicollis - 1♂
Perithemis (seminole?) - 2♂ seen
Erythrodiplax c. minuscula - 2♂
Libellula needhami - 1♂

Survey Fla.
Drainage _____ Coll. No. 56-10
Locality Pond at jct. U.S. 17 & Fla. 436 near Altamonte
County Seminole Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation sedges ab.
Bottom sand, muck Current _____
Shore open Distance from shore - 30'
Temperature: Air _____ Water _____ Time _____ Weather pt. cldy.
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date April 5, 1956
Collected by _____
Orig. preserv. _____ Time 2:30 - 3:00 PM
General notes:

Argia fumipennis - com. - 1♂

~~*Amphiagrion saucium* - 1♂~~

Anomalagrion hastatum - 1♂

Celithemis ornata - 1♂

Survey Fla.
Drainage _____ Coll. No. 56-11
Locality Backwater of St. John's R. about 3 mi. W of
DeLand
County Volusia Quadrangle _____ Elevation _____
Water brown, clear Flow _____ Width _____
Vegetation water hyacinth ab.
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather pt. cldy.
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date April 5, 1956
Collected by _____
Orig. preserv. _____ Time 6:00 - 6:30 PM
General notes:

Telebasis byersi - 1

Survey N.Y.

Drainage St. Lawrence

Coll. No. 56-12

Locality Salmon R. near mouth in L. Champlain

County Clinton

Quadrangle

Elevation

Water Brown, clear

Flow 200

Width 100'

Vegetation sparse

Bottom Sandy pebble, bedrock

Current mod

Shore wooded

Distance from shore

Temperature: Air

Water

Time

Weather clear

Depth of Capture

Depth of Water

Method of Capture dredge

Date V-8-1956

Collected by R. H. Gibbs & chas

Orig. preserv.

Time 2:00-4:00 PM

General notes:

Cordulegaster maculatus - 17 em. V-20-1956

Gomphus (stylurus)

Survey N.Y.
Drainage St. Lawrence Coll. No. 56-13
Locality Creek at E. limit of Morrisonville near mouth
in Saranac R.
County Clinton Quadrangle _____ Elevation _____
Water Brown, clear Flow 10 Width - 15' ±
Vegetation moderate on edges; Cladophora on rocks
Bottom rubble, sand Current mod
Shore pt. wooded - open Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture _____ Depth of Water _____
Method of Capture dredge Date II-25-1956
Collected by R.H. Gibbs
Orig. preserv. _____ Time 6:00-7:00 PM
General notes:

Boyeria vinosa — — 2

Gomphus — — — 1

Agriion — — — 2

Survey Ontario
Drainage _____ Coll. No. 56-14
Locality Marsh by hwy 7 NE of Sunderland
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation Cattail, etc.
Bottom muck Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date June 7, 1956
Collected by R. H. Gibbs
Orig. preserv. Pot. cyanide Time _____
General notes:

Enallagma boreale 2♂

Survey Ontario
Drainage _____ Coll. No. 56-15
Locality Open bog E of Madoc on hwy 7
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation Rushes, cattail, sphagnum
Bottom muck Current _____
Shore pt. wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date June 7, 1956
Collected by R. H. Gibbs
Orig. preserv. Pot. cyanide Time 2:30 - 4:00 PM
General notes:

Anax junius - few seen

Somatechlorda (?) sp. - 1 seen

Leucorrhinia hudsonica - 1♂

L. intacta - several ♀♀ common - 4♂

Tetragoneuria canis - 1♂

Enallagma vernale - 1♂, 1 pair

E. boreale - 13♂

Coenagrion resolutum - 3♂

Survey Ontario
Drainage _____ Coll. No. 56-16
Locality Mer Bleu - 1/2 mi. W of Carlsbad Springs
about 10 Mi SE of Ottawa
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation Bog rosemary, labrador tea, Eriophorum,
Sphagnum + another moss
Bottom muck Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather overcast
Depth of Capture _____ Depth of Water _____
Method of Capture net Date June 8, 1956
Collected by R. H. Gibbs
Orig. preserv. Pot. cyanide Time 8:30-10:00 AM
General notes:

Only two Odonates seen -
mosquitoes abundant

Williamsonia fletcheri - 1 ♀ - several

Leucorrhinia intacta - 1 ♀

Survey N.Y.
Drainage _____ Coll. No. 56-17
Locality Cr. at E. limit of Merriamville
County _____ Quadrangle _____ Elevation _____
Water white, clear Flow 25 Width 20'
Vegetation sparse - some on banks
Bottom gravel, rubble Current mod
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date June 8, 1956
Collected by R. H. Gibbs
Orig. preserv. _____ Time _____
General notes:

Ophryotrocha sp. - not kept, failed in emergence

Lumbrus

Survey Mass.
Drainage _____ Coll. No. 54-18
Locality Flax Pond, N. Falmouth
County _____ Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width _____
Vegetation abund.
Bottom silt Current _____
Shore wooded (scrub) Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net, dredge Date 11-13-1956
Collected by R.H. Gibbs
Orig. preserv. _____ Time 4:30-5:00 PM
General notes:

Endalligona recurvatum 2♂

Tetragonometia cynosuroides - 14 [at least 1000000]

Onca junius - at least 1000000

Ichneumon verticillatus - 2000000

Larva leptallus

Survey Mass.
Drainage _____ Coll. No. 56-19
Locality Jabinette's Pond, W. Yarmouth
County Barnstable Quadrangle _____ Elevation _____
Water lt. brown - clear Flow _____ Width _____
Vegetation Nuphar, Nymphaea, Cranberry, Blueberry, etc.
Bottom Sand Current _____
Shore Wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather pt. sky to rain
Depth of Capture _____ Depth of Water _____
Method of Capture net, dredge Date VI-16-1956
Collected by R.H. Gibbs
Orig. preserv. ~~to 100~~ Pot. cyanide Time 2:30-4:30 DST
General notes:

Anax junius - few seen

Progomphus - 1 small larva

Gomphus (exilis) - 1 larva

Tetragoneuria - sev. seen - ♀ laying eggs

Ladona exusta - 1 ♂ seen (very white ^{dorsal} upper abdomen)

no others & no deplanata

Ischura verticalis - com. - 1 ♂

Enallagma recurvatum - ab. 18 ♂ 4 pairs

E. laterale - ab. 21 ♂ 1 ♀ 6 pairs

E. cyathigerum - 1 ♂

Larva collected and kept alive

Celithemis elisa - 56/2 - VI-17

Survey Mass.
Drainage _____ Coll. No. 56-20
Locality Flashy Pond, Mashpee
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation Utricularia, Nymphaea
Bottom Sand, mud Current _____
Shore wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear, hot
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VI-23-1956
Collected by R.H. Gibbs, R.W. Risebrough
Orig. preserv. _____ Time 12:00 - 2:00 PM
General notes:

Anax junius - com - 1 pair

Celithemis elisa - sev seen - 2 ♂

Leucorrhinia intacta - few - 1 ♂

L. frigida - 1 ♂

Ladona deplanata - very abundant - 11 ♂ 1 ♀ 1 pair

L. crusta - com. - 3 ♂ 1 ♀

Libellula cyanea - 1 ♂ seen

Plathemis lydia - 1 ♂ seen

Tramea carolina - few - 1 ♂

Lestes eurinus - com. - 8 ♂ 1 ♀ 5 pairs

Ischnura verticalis - com - 2 ♂

Enallagma doubledayi - ab - 1 ♂ 8 pairs

E. ——— - 1 ♀

E. cyathigerum - 1 pair (? dub)

Survey Moss.
Drainage _____ Coll. No. 56-21
Locality Flox Pond, North Falmouth
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation Brasenia, Nymphaea, Scirpus (?), Pepperbush
Bottom Sand, Muck Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather pt. cldy
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VI-23-1956
Collected by R.H. Gibbs, R.W. Risebrough
Orig. preserv. _____ Time 4:30 - 5:15 PM
General notes:

Anox junius - sev - 1 ♀

Tetragoneuria cynosura - sev - 1 ♀
exuviae very ab.

Ladona exusta - sev

Lestes _____ - few

Ischnura verticalis - sev. - 1 ♂

Enallagma minusculum - very ab. 15 ♂ 10 ♀

E. doubledayi - sev. - 1 ♂

E. recurvatum - sev. - 2 ♂ 1 ♀ 1 pair

Survey Mass.

Drainage _____ Coll. No. 56-22

Locality Gifford Bog, Falmouth

County _____ Quadrangle _____ Elevation _____

Water _____ Flow _____ Width _____

Vegetation Nymphaea, Utricularia, Sagittaria, Sphagnum

Bottom Muck Current _____

Shore wooded to open Distance from shore _____

Temperature: Air _____ Water _____ Time _____ Weather cloudy

Depth of Capture _____ Depth of Water _____

Method of Capture _____ Date VI-24-1956

Collected by _____

Orig. preserv. _____ Time 11:15-12:00 AM

General notes:

Pachydiplax longipennis - sev } seen in shrubby growth
Erythemis simplicicollis - few }

Enallagma cyathigerum - com - 4 ♂

Isechnura posita - few - 1 ♂

I. verticalis ♀'s seen (?) com -

Nehalennia gracilis - sev

Survey Moss.
Drainage _____ Coll. No. 56-23
Locality Hawksnest Pond, Harwich
County _____ Quadrangle _____ Elevation _____
Water brown, clear Flow _____ Width _____
Vegetation Nymphaea, Utricularia, Pontederia, Eriophorum,
Juncus, Scirpus?, Sphagnum, Cranberry
Bottom Sand, muck Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VI-30-1956
Collected by R.H. Gibbs, R.W. Rischrough, J. Willis
Orig. preserv. _____ Time 3:15-5:30 PM
General notes:

Anax junius - few seen

Desorcardulia lepida - com.

Ladona deplanata - 1♂ seen

L. exusta - com. -

Plathemis lydia - sev. seen on side pond nearby

Celithemis elisa - few

Leucorhinia intacta - few

Lestes vigilax - com.

Argio violacea - 1♂

Enallagma latroale - com. +

E. recurvatum - ?

E. doubledayi

Ischnura verticalis - sev.

I. kelliottii - sev.

Survey Mass.
Drainage _____ Coll. No. 56-24
Locality Ashumet Pond + small side pond, Falmouth
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VII-1-1956
Collected by R.H. Gibbs,
Orig. preserv. _____ Time 10:30-11:30 AM
General notes:

Anis junius - sev seen

Gomphus (exilis?) - 1 seen

Libellula pulchella - 1♂ seen

L. incesta - 1♂

L. cyanea - 1♂

Ladona exusta - com. - 4♂ 1♀

L. deplanata - com. + - 9♂

Erythemis simplicicollis - 1 seen

Celithemis elisa - com. - 1♂

Lestes vigilax - sev. - 2♂

Enallagma doubledayi - com.

E. gemmatum? - few

E. vesperum - 1♀ + several

Ischnura verticalis - sev. - 1♂ 6♀

I. posita - 1♀

Survey Mass.
Drainage _____ Coll. No. 56-25
Locality Flashy Pond, Mashpee
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VII-1-1956
Collected by R.H. Gibbs, T.L. Poulson, E. Robson, A. Grinnell
Orig. preserv. _____ Time 11:45-12:30 AM
General notes: Minimum of collecting done

Anax junius - sev. seen

Gomphus (exilis?) - 1 seen

Libellula auripennis - 1 female seen

L. irrorata - com. - 1♂ 1♀
(not seen before)

Ladona exusta - sev. seen
(less than last)

L. deplanata - abund. - 1♂ 1♀

Leucorhinia frigida - 1 pair

Celithemis elisa - com. - 2♂ 2♀
(more than last)

Pestes eucinetus - com. - 3♂
(less than last)

Enallagma doubledayi - very abundant 5 pairs
E. cyathigerum - 1 pair
Ichnura verticalis - few seen

Survey Moss
Drainage _____ Coll. No. 56-26
Locality Field by Ransom Rd, Quisset
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date VII - 7 - 1956
Collected by R.H. Gibbs
Orig. preserv. Pot. cyanide Time 5:30 PM
General notes:

Libellula auripennis - 1 ♀

Celithemis elisa - 1 seen

Survey Mass.
Drainage _____ Coll. No. 56-27
Locality Flashy Pond, Mashpee
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather bright overcast
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VII - 8 - 1956
Collected by R. H. Gibbs, R. W. Risebrough
Orig. preserv. Pot. cyanide Time 11:30 AM 1:00 PM
General notes:

Anax junius - sev. seen

Libellula ryanae - 1 seen in woods

Enallagma dubitator - a band.

Larvae -

Enallagma doubledayi was abundant at the pond -
almost as numerous as last week. The only other
odonate seen at the pond was *Aeshna junius*, and only a
few of those. Even in the woods, few were present.

It seemed that they were more numerous at some
other side roads, but that may have been a delusion.

Survey Mass.
Drainage _____ Coll. No. 56-28
Locality Oyster Pond, Falmouth - S. end
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation Rushes
Bottom sand Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VII - 15 - 1956
Collected by R.H. Gibbs, T.L. Poulson
Orig. preserv. _____ Time 10:00 - 10:15 AM
General notes:

Enallagma cirile - sev. - 1 ♂

E. durum - sev. - 2 ♂

E. signatum (?) - 1 missed

Ischnura verticalis - few

Survey Mass.
Drainage _____ Coll. No. 56-29
Locality Flashy Pond, Mashpee
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VII - 15 - 1956
Collected by R.H. Gibbs, T.L. Paulsen
Orig. preserv. _____ Time 10:30 - 12:15
General notes:

Gomphus exilis - 1♂

Anax junius - com. - 1♂ (to TLP)

Libellula auripennis - com. - 3♂ (1 to TLP)

L. inepta - sev. - 1♂ 1♀

Ladona exusta - 2♂ seen; 1♂ caught (1♂ by TLP)

L. deplanata - sev. - 3♂

Calithemis clisa - com. - 3♂ (2 to TLP)

C. martha - sev. - 1♂ 1♀

Leucorrhinia frigida - 1♂ seen

Troxia carolina - 1♂ seen

Ilexia

Argia violacea - 1♂

Ethallogma doubtlovi - ab. - 7♂ 5♀

E. asperum - sev. - 3♂ 1 pair

Lastis curinus - sev. + 1♂ 1 pair

L. vigilax - com. + 7♂ 1♀ 4 pairs

After last week, there was an almost startling abundance of Anisoptera here. Some notables:

Gomphus exilis - extends seasonal record for Cape
Anax junius - many exuviae, indicating large emergence
Lib. auripennis - first time seen at pond. I caught
in woods previously.

Lib. exusta - almost none

Lib. deplanata - very few, but more than *exusta*. I would
judge I saw 20 at the pond. On the last day, July 6,
there were that many at one time on the square board
on shore and many, many more in pond.

C. martha - 1st sign. Thought I saw lot 2 pollia besides
the 2 specimens caught.

Oryia violacea - 1st time seen at Flashy

E. asperum - 1st of season

L. vigtor - I don't recall such an abundance of
this sp. at Flashy



E. asperum

Survey Mass.
Drainage _____ Coll. No. 56-30
Locality Pond by Old Silver Beach, W. Falmouth
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation Typha, Rushes, Mallow
Bottom Muck, rock Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather pt. cldy.
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VII - 15 - 1956
Collected by R. H. Gibbs, T. L. Paulsen
Orig. preserv. _____ Time 12:45 - 1:15
General notes:

Onax junius - com. - 1♂
ovipos ab.

Libellula needhami - com. - 4♂

L. cyanea - ser. - 2♂

L. pulchella - com. -

Erythemis simplicicollis - com. - 1♂

Erythrodiplos berenice - seen

Tramea sp. - 1 or 2 (♀?)

Ethalagma civile - com. - 1 pair

Isonura verticalis - com. - 1♂

Survey Moss.
Drainage _____ Coll. No. 56-31
Locality Sippewissett Beach
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom Sand, Muck Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather pt. cldy.
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date JUL -15-1956
Collected by A.H. Gibbs, T.L. Poulson
Orig. preserv. _____ Time 1:30 - 2:00 PM
General notes:

Anax junius - seen

Libellula needhami - sev. - 1♂

Erythrodiplos beronice - seen

Enallagma civile - com. on lowland shore
3♂ 1♀

Survey Mass.
Drainage _____ Coll. No. 56-32
Locality Woods Hole
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VII-15-1956
Collected by _____
Orig. preserv. _____ Time 5:00 PM
General notes:

Pantala hymenea - 1♂

this species appeared in abundance over
a field by Harbor Hill Rd. on VII-13-1956.

Survey Mass
Drainage _____ Coll. No. 56-33
Locality Oyster Pond, Falmouth
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom Sand (muck in places) Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather rain (light)
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VII-21-1956
Collected by R. H. Gibbs
Orig. preserv. _____ Time 10:50-11:00 A.M.
General notes:

Libellula auripennis = 1 ♀

Tricorythodes dominicus = 3 ♂

Survey Mass.
Drainage Little Pond Coll. No. 56-34
Locality Marshy edge of large pond at Falmouth Heights
County _____ Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width _____
Vegetation Typha angustifolia, reeds, Spartina
Bottom mud, sand Current _____
Shore open Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather light rain
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date Jul-21-1956
Collected by R. H. Gibbs
Orig. preserv. _____ Time 11:15-11:40 AM
General notes:

Libellula needhami - 3♂ 2♀

all in grass & brush on shore,
swampy & little water

Lestes rectangularis - 1♂

Survey Mass.
Drainage _____ Coll. No. 56-35
Locality Marshy area S. of Cotuit + large pond
Rushy Marsh Pond
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation Typha angustifolia, Phragmites, Ruchos, etc.
Bottom _____ Current _____
Shore open Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather overcast
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VII 21-1956
Collected by _____
Orig. preserv. _____ Time 12:15-12:45 PM
General notes:

Limnulus neohammon - 2 ♀

Emallagma carolinense - 1 ♂

Worms in open field away from water
1 ♂ caught in marsh

E. glaucus - com. at large pond - upper end
6 ♂ 1 ♀

Aglyptodiplous hermanni - com. at pond - 1 ♂ 1 ♀
with *E. glaucus*

Survey Mass
Drainage near mouth Coll. No. 58-32
Locality Salt marsh on Little River NE of Falmouth
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation Spartina marsh
Bottom Mud Current _____
Shore Open Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date 11-21-1956
Collected by R.H. Gibbs
Orig. preserv. _____ Time 1:30-6:45 PM
General notes:

Egthindiplax borealis - saw 100 young
207 2 ♀

Survey Mam.
Drainage _____ Coll. No. 56-37
Locality Flashy Pond, Mashpee
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather overcast
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date 11-21-1956
Collected by R.H. Gibbs
Orig. preserv. _____ Time 2:00-2:30 PM
General notes:

Lipellula curipameis - 1 seen in 20' ab.

Eutima virgata - 1 seen in 20' ab.

Emilia grandis - very ab. at pond - 20'

Metastomus gracilis - 1 seen in 20' ab.

no others seen

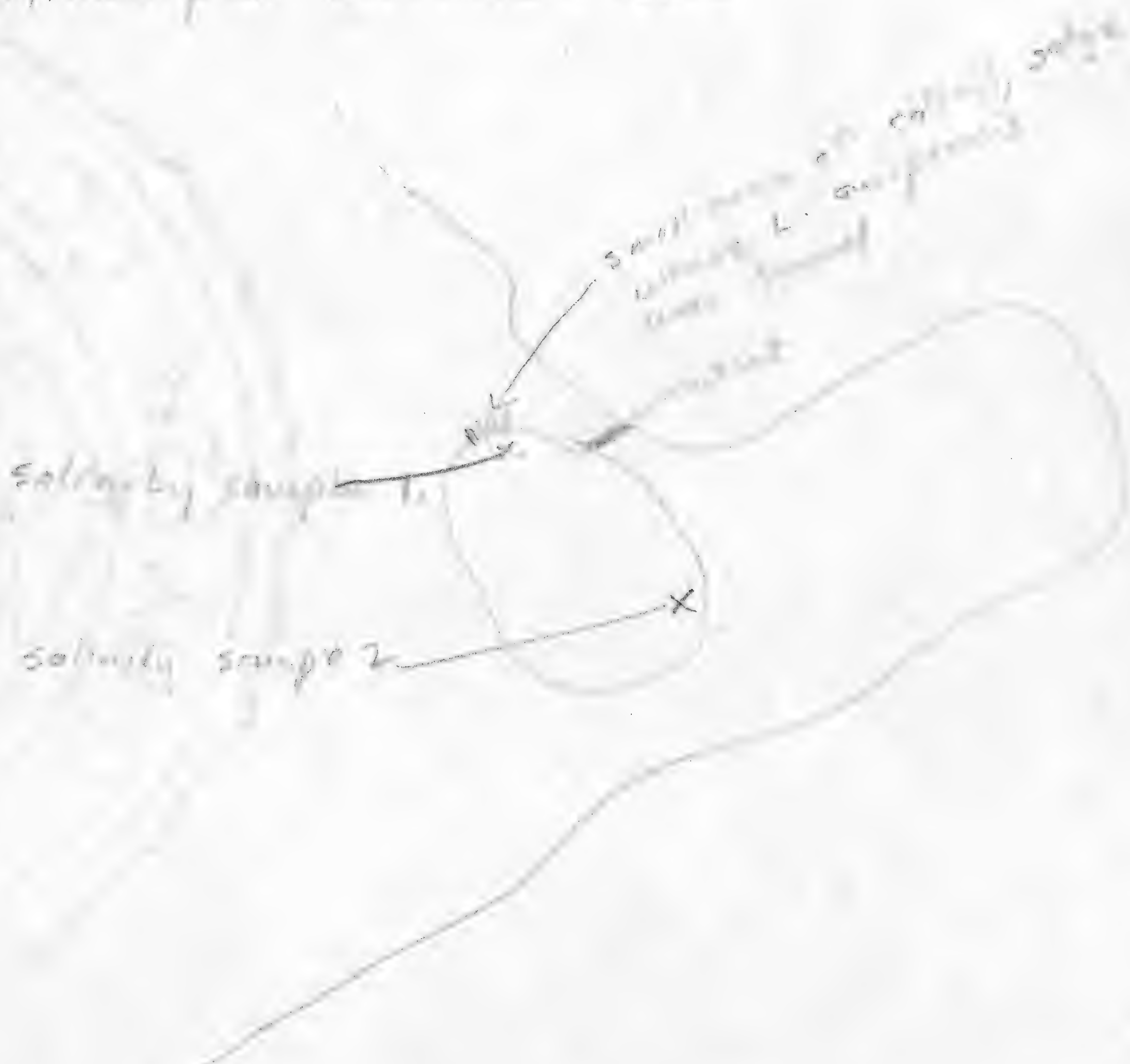
Survey Moss
Drainage _____ Coll. No. 56-38
Locality Phinney's Bay, Vienna
County _____ Quadrangle _____ Elevation _____
Water White, clear Flow _____ Width _____
Vegetation Spartina. In one small area Typha, sedge
Bottom Mud, sand Current _____
Shore open Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date VII-28-1954
Collected by R.H. Gibbs
Orig. preserv. _____ Time 12:15 - 12:45 PM

General notes:

Quam. junius - 10⁺ seen

Libellula needhami - 10⁺ (only one seen)

Erythrodiptera - some



Survey Mass.
Drainage _____ Coll. No. 56-37
Locality Calverton Pond, ca. 1 mi. E of Oysterville
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation Deciduous
Bottom Sand, rock, some mud Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water 1' - 3'
Method of Capture _____ Date VII-29-1952
Collected by R.H. Gibbs
Orig. preserv. _____ Time 1:00 - 1:35 PM
General notes:

Libellula inaequalis - sev. - 2♂ 1♀

Colithemis nycthemelana - 1♂ 1 pair (immature pair, seen)

Pantodon fuscus - com. - 3♂

Oryzias latipes - com. - 1♂

Enallagma cyathigerum - com. - 6♂ 1♀

Survey Mass.
Drainage _____ Coll. No. 56-41
Locality Drainage area beside Scudder Bay, N. of
Craigville Beach
County _____ Quadrangle _____ Elevation _____
Water brown, clear Flow _____ Width _____
Vegetation crabgrass, mostly typical salt marsh; some
cottontail area at edge
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VII-28-1956
Collected by _____
Orig. preserv. _____ Time 1:50-2:05 PM
General notes:

Likellula neobornii - 3♂

L. cyanea - 1♂ seen

Protonotus lydia - 2 or 3♂, 1♀ seen

Euphrasidiplos baranica - seen - 1♂

Tachineta verticalis - 1♂ seen

no longer a pond as shown on
topo sheet. — drainage ditches.
part is crabgrass bog.

salinity sample 3

Survey Mass.
Drainage _____ Coll. No. 56-41
Locality Flashy Pond, Mashpee
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation Brasenia, Nymphaea, Utricularia
Bottom Muck, sand Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VII-29-1936
Collected by R. H. Gibbs
Orig. preserv. _____ Time 9:45 - 10:15
General notes:

Anax junius - few
A. longipes - 1♂ seen
Libellula auripennis - com. -
L. incesta - com. -
Ladona deplanata - few - 2♂
Colithemis elisa - 2 or 3♂ seen
C. martha - ten to 15 com. in scrub
Erythemis simplicicollis - 1 seen
Tyana carolina - 1 or 2 seen
Symphetrum vicinum - 1♀
Enallagma doubledayi - abund. - 1♂
Lastor eurinus - sev. - 1♂
L. vigilax - com. - 1♂

Still no *Lestes disjunctus* or *foregotia*

No *E. aspersum* seen for certain.



Survey Moss

Drainage _____ Coll. No. 56-42

Locality Bank at head of Hall Cr., Hyannisport, By golf course

County _____ Quadrangle _____ Elevation _____

Water brown, clear Flow _____ Width 100'

Vegetation Nuphar, Potamogeton - Cattails, Rushes, Decid.

Bottom Sand to much Current _____

Shore _____ Distance from shore _____

Temperature: Air _____ Water _____ Time _____ Weather clear

Depth of Capture _____ Depth of Water _____

Method of Capture _____ Date VII-29-1956

Collected by R.H. Gibbs

Orig. preserv. _____ Time 11:15-11:40 AM

General notes:

Libellula needhami - com. - 3♂ 1♀

L. cyanea - 1♂ seen

Erythemis simplicicollis - few - 1♂

Callibaetis sp. - sev. - 1♂

C. maculata = 1♀ (perhaps 1 were seen) -

C. apicalis - few - 2♂

Synpetala nigricornis - 1♂ released

Perithous tenax - com. - 4♂

Tramea carolina - 1♂

Enallagma geminatum - com. - 2♂

E. civile - com. - 1♂

E. signatum - 2♂

Lestes vigilax - com. - 1♂

L. rectangularis - 1♂ - only one seen

Ischnura verticalis - sev

L. needhami - concentrated around a murky
cotton area. Rest of pond covered was
quite sandy bottom.



salt sample 4

Survey Mass.
Drainage _____ Coll. No. 56-43
Locality Pond & marsh E of Dunbar Point, Hyannis
County _____ Quadrangle _____ Elevation _____
Water brackish clear Flow _____ Width _____
Vegetation Typha angustifolia - rushes, reeds, pondweed
Bottom mud Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VII-29-1954
Collected by R.H. Gibbs
Orig. preserv. _____ Time 12:00-12:30 PM
General notes:

Anas junco - few - 1♂
Libellula nodulosa - com. - 4♂ 1♀
L. cyanea - com. - 1♀
L. pulchella - few seen
Plathemis lydia - sev. seen
Erythemis simplicicollis - com. - 1♀
Ephraiphys borealis - com. - 1♂
Coloburiscus elisa - sev. seen
Pseudagrion tenax - com. - 1♀
Symphetrum rubicundulum - 1♂
Pachydiplax longipennis - few seen
Lestes viridis - com. - 1♂
Erythemis simplicicollis - com. - 2♂ 1♀

Survey Mass.
Drainage _____ Coll. No. 56-44
Locality Tabinella's Pond, W. Yarmouth

County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation Nymphaea, Gratiola, Utricularia, Reeds

Bottom Sand to muck Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VII-29-1956
Collected by R. H. Gibbs
Orig. preserv. _____ Time 1:15-2:15 P.M.

General notes:

Progomphus obscurus - 3♂
Aesop junius - sev.

A. longipes - 1♂ 1♀ seen

Libellula auripennis - com. seen

L. incesta - few seen

Ladona deploata - 1♂ seen

Calithemis elisa - com. - 1♂

C. martha - few - 1♀

C. maculata - few - 2♂

Erythemis simplicicollis - com. -

Enallagma geminatum - com. - 2♂ 2♀ 4 pairs

E. doubledayi - sev. +

E. pictum - sev - 2♂ 1 pair

E. vespertinus - few - 1♂

E. minimaculatus - 1♂ (only one seen)

Ischnura verticalis - few

Argio violacea - com. - 1♂ 1 pair

Lestes vigilax - com. - 1♂ 1 pair

L. eurinus - few (still mating) - 1♂, 1 pair

Survey Mass.
Drainage _____ Coll. No. 56-45
Locality Gifford Bog, Falmouth
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation Nymphaea, Utricularia, Sagittaria, Cranberry,
Butternut
Bottom Muck Current _____
Shore Pt. wooded, pt. open Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VIII-4-1956
Collected by _____
Orig. preserv. _____ Time 12:20-12:45 PM
General notes:

Anax junius - sev, including pairs

Aeshna sp. - 1 seen

Libellula auripennis - com. - 1♂ 1♀ (1♂ to TLP)

L. incesta - com. seen

L. cyanea - com. - 1♂

L. pulchella - 1 seen

Erythemis simplicicollis - com. seen

Pachydiplax longipennis - ab. - 3♂

Celithemis ornithina - sev. + - 1♂ 1♀

C. elisa - 1 pr. seen

Sympetrum vicinum - 1 female ♀ discarded

Lestes vigilax - com. - 2♂

L. furinus - few - 5♂

L. forcipatus - com. - 5♂ 2♀ 3 pr.

Enallagma doubleclayi - com. - 2♂

E. asperum - abund. - 4♂ 1♀ 1 pr.

the most ab. *Enallagma*

Nehalennia gracilis - few - 1 pr.

Survey Moss
Drainage _____ Coll. No. 56-46
Locality Unnamed pond S. of Hwy. 151
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation Nymphaea, Scirpus, Utricularia
Bottom Muck Current _____
Shore wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather cldy.
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VIII-4-1956
Collected by _____
Orig. preserv. _____ Time 1:30-1:50 PM
General notes:

Anax junius - sev. seen

Libellula auripennis - sev. seen

L. incisa - sev. seen - 1♂

Erythemis simplicicollis - 1 seen

Pachydiplax longipennis - ab. - 1♂

Colletis martha - com. - 1♂

Lestes furvus - com. - 1♂

Euclyptus dubioley - abund - 2♂

E. asperatus - com. - 2♂

Survey Mass.
Drainage _____ Coll. No. 56-47
Locality Small boggy area N. of bog. 151
County _____ Quadrangle _____ Elevation _____
Water brown, clear Flow _____ Width _____
Vegetation Nymphaea, sphagnum, button bush, Scirpus
Bottom mud, humus Current _____
Shore wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather cldy
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VIII-4-1956
Collected by R. H. Gibbs, T. L. Paulsen
Orig. preserv. _____ Time 2:00 - 2:30 PM
General notes:

Aeshna canadensis (?) - 1♂, 1 seen

Libellula (auripennis?) - 1♂ 2 seen

L. cyanea - sev seen

Erythemis simplicicollis - sev seen

Pachydiplax longipennis - sev seen

Leucorrhinus frigida - 1♂, few seen

Synpetura rubicundulum - com. - 2♂

Lestes eurinus - few - 1♂

L. forcipatus - com. - 6♂ 4♀

L. rectangularis - 1♂

Enallagma aspersum - few - 1♂

Ischnura verticalis - few - 2♀

Nehalennia gracilis - com. - 2♂ 2♀

Survey Mass.
Drainage _____ Coll. No. 56-48
Locality Small, reedy pond N. of Hwy 151
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation Scirpus, little Typha, Nymphaea
Bottom Muck Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clearing
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VIII-4-1956
Collected by _____
Orig. preserv. _____ Time 2:30 - 2:45
General notes:

Aethya canadensis - 1 ♂

Anas junco - few seen

Libellula pycnops - few seen

L. incesta - few - 1 ♂

L. (auripennis?) - seen

Erythemis simplex - seen

Pachydiplax longipennis - com. -

Leucosticte frigida - 1 ♂ com. in backwater

Enallagma doubleclayi - obs. - 1 ♂

E. asprum - seen - 1 ♀

Lestes forficatus - com. - 1 ♀

L. vigilax - seen - 1 ♂

Ischnura verticalis - few seen

Survey Mass.
Drainage _____ Coll. No. 56-49
Locality Flashy Pond, Mashpee
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather pt. cdy
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VIII - 4 - 1956
Collected by _____
Orig. preserv. _____ Time 3:00 - 3:50
General notes:

Aeshna _____ - 1♂ seen

Anax junius - com. - 1♂ (to TLP)

Libellula auripennis - ab. - 2♂ 1♀ (1♂ to TLP)

L. lineata - com. seen

Erythemis simplicicollis - few seen

Pachydiplax longipennis - few seen

Leithaenus elisa - 1 pr. seen

C. martha - com. - 1♂

Tianora carolina - few seen

Enallagma doubledayi - ab. - 3♂

E. asprum - com. - 1♂

Lestes pluvius - com. - 2♂ 1♀ 1 pr.

L. vigilax - com. - 2♂ 1♀

L. forcipatus - few - 1♂ 1 pr.

Survey Mass.
Drainage _____ Coll. No. 56-50
Locality Mill Pond, on hwy. 28 at W. Yarmouth
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation Scripus, Sparganium, Nymphaea, Lemna, Myriophyllum
Bottom Muck Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VIII-5-1956
Collected by R. H. Gibbs
Orig. preserv. _____ Time 11:30-12:00 AM
General notes:

Anax junius - sev. seen

Libellula instans - com. seen

Erythemis simplicicollis - ab. seen

Pachydiplax longipennis - ab. - seen

Calithemis aspersa - 1♂ seen

Forithemis tenera - com. seen

Lestes inaequalis - 2♂

L. vigilax - com. 4♂

? *L. ...* - com. -

Erythemis doubledayi (?) - sev. seen

E. gannadum - com. - 1♂ 2 prs.

E. signatus - 1♂

Ishnuma verticalis - sev.

Survey Mass.
Drainage _____ Coll. No. no number
Locality Tidal backwater off Lewis Bay at W. Yarmouth
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VIII-5-1956
Collected by _____
Orig. preserv. _____ Time 12:10-12:25 PM
General notes:

Erythrodiplos berenice - sev.

Sympetrum sp. - few

Libellula cyanea - 1♂

Survey Mass.
Drainage _____ Coll. No. 56-51
Locality Kelley's Pond E. of S. Yarmouth & Bass R.

County _____ Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width _____
Vegetation Lythrum salicaria, Typha, Scirpus?

Bottom sand Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VII-5-1956
Collected by R.H. Gibbs
Orig. preserv. _____ Time 12:45-1:15 PM
General notes:

Libellula needhami - 1 ♂ (2 others seen)

Erythrodiplosis borealis - com. - 1 ♀

Enallagma cyathigerum - com. 4 ♂ 1 ♀ 1 pr.

Water sample #9

Survey Mass.

Drainage _____ Coll. No. 56-52

Locality Skinequit Pond, S. Hallowell

County _____ Quadrangle _____ Elevation _____

Water _____ Flow _____ Width _____

Vegetation Decid. Scirpus

Bottom Sand Current _____

Shore wooded Distance from shore _____

Temperature: Air _____ Water _____ Time _____ Weather clear

Depth of Capture _____ Depth of Water _____

Method of Capture _____ Date VIII-5-1936

Collected by A. H. Gibbs

Orig. preserv. _____ Time 2:15-2:30 PM

General notes:

Epirodula princeps - 1 seen

Perithemis tenera - com. - 2 seen

Epallagma signatum - com. - 3♂ 2 pri

E. civile - com. - 3♂ 1 pri

Survey Mass.
Drainage _____ Coll. No. 56-53
Locality Tidal (C) marsh off Red R., E. of Skinequit Pond
S. Horwich
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation Typha (cane), Grasses
Bottom Mud Current _____
Shore open Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VIII-5-1956
Collected by R. H. Gibbs
Orig. preserv. _____ Time 2:45 - 3:10 PM
General notes:

Libellula needhami - com. - 2♂ 1♀
L. cyanea - few seen
Plathemis lydia - 1♂, 3 seen
Erythemis simplicicollis - few seen
Erythemis borealis - com. - 1♀

Enallagma civile - 1 pair
Amphigaster quadricornis - 1♀
Ischnura verticalis - 3 com
Lestes rectangularis - 1♀

Water sample #10

Survey Mass.
Drainage _____ Coll. No. 56-54
Locality Ponds near Harding Beach, W. Chatham
County _____ Quadrangle _____ Elevation _____
Water brown, clear Flow _____ Width _____
Vegetation Scirpus, Typha, Carex, Potamogeton, Lythrum
Bottom Muck + sand Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VIII-5-1956
Collected by R.H. Gibbs
Orig. preserv. _____ Time 3:50 - 4:20 PM
General notes:

Libellula meridionalis - com - 2♂ 1♀
L. pulchella - sev. seen
Erythemis simplicicollis - sev. - 1♀
Erythrodiplax berenice - few seen
Psephenus tenero - com, seen
Sympetrum rubicundulum - few - 1♂
Anomalagrion hastatum - few, 1♂
Ischnura verticalis - com - 1♂
Enallagma civile - abund. - 1♂ 1pr.
Lestes vertigularis - few - 2♂ 3♀
L. vigilax - few - 1♂

Water sample # 11

Survey Mass.
Drainage _____ Coll. No. 56-58
Locality Blair Pond, Chatham
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VIII-5-1956
Collected by R.H. Gibbs
Orig. preserv. _____ Time 5:10 PM
General notes:

1♂ *Enallagma doubledayi* - caught in 1st fl.

Pond not collected.

Survey Mass.
Drainage _____ Coll. No. 56-56
Locality Pond at Allen Point, North Chatham
County _____ Quadrangle _____ Elevation _____
Water brackish Flow _____ Width _____
Vegetation Spartina, few Typha
Bottom Mud Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VIII-5-1956
Collected by R. H. Gibbs
Orig. preserv. _____ Time 5:30-5:40 PM
General notes:

Erythrodiplosis brevinis - many ab. 6239
E. halloana civile - sev. 207
E. doubledayi - 107
Lastos forcipatus - 17

Survey Mass.
Drainage _____ Coll. No. 56-57
Locality Tidal pond off Basing Harbor, N. Attleboro
County _____ Quadrangle _____ Elevation _____
Water Brockton Flow _____ Width _____
Vegetation Spartina, Sea Lavender
Bottom Mud Current _____
Shore Wooded - open Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VIII-5-1959
Collected by R.H. Gibbs
Orig. preserv. _____ Time 6:00-6:15 PM
General notes:

Ovar junius - 1 female, pair seen
Erythrodiplos brevicauda - 1 ad - 29

Listes forcipatus - 1 ad

Survey Mass.
Drainage _____ Coll. No. 56-58
Locality Myricks Pond, Brewster
County _____ Quadrangle _____ Elevation _____
Water brown, clear Flow _____ Width _____
Vegetation Scirpus, Decodon, Nuphar
Bottom muck, sand Current _____
Shore wooded to open Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VIII-11-1956
Collected by R.H. Gibbs
Orig. preserv. _____ Time 10:00-11:00 AM
General notes:

Aeshna _____ - 1 or 2 seen

Libellula incesta - com. seen

L. (auripennis or needhami?) - 1 seen

Platthemis lydia - 1♂ seen

Pachydiplax longipennis - com. - 1♂

Erythemis simplicicollis - com. seen

Celithemis elisa - few seen

C. monomelana - few seen

Perithemis tenera - com. + ♂ & ♀ mating
2♂ 1♀

Lestes vigilax - sev. - 1♂ 1 pr.

Enallagma civile - few - 1♂

E. signatum - few - 1♂

E. geminatum - com. - 1♂

Argia violacea - com. - 1♂

Ischnura verticalis - com. -

Survey Moss.
Drainage _____ Coll. No. 56-59
Locality Cobb's Pond, Brewster
County _____ Quadrangle _____ Elevation _____
Water brown, clear Flow _____ Width _____
Vegetation Decodon, Scirpus, Pontederia, Nymphaea
Bottom muck, mud (sand?) Current _____
Shore wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VIII-11-1956
Collected by R. H. Gibbs
Orig. preserv. _____ Time 11:30-12:00 AM
General notes:

Epiplatys princeps - 1 seen

Libellula incesta - com.

Erythemis simplicicollis - com. - 1 ♀

Pachydiplax longipennis - com.

Leptocorisa - com. - 1 pr.

C. eponina - com. (pairs incl)

Pezomachus - com. 1 ♂ 1 ♀

Leptocorisa - com. 1 ♂

Enallagma - com. - 1 pr.

Ischnura verticalis - com. -

Survey Moss.
Drainage _____ Coll. No. 56-60
Locality Marsh with small stream near Cobb's Pond, Brewster
County _____ Quadrangle _____ Elevation _____
Water white (3), clear Flow _____ Width _____
Vegetation _____
Bottom sand on stream; rocks Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date 6-11-11-1958
Collected by R. H. Gibbs
Orig. preserv. _____ Time 12.05 - 1.00 PM
General notes:

Libellula cyanea - seen.
L. incesta - few
Erythemis simplicicollis - few
Colizemus oparina - few seen
C. elisa - 14 in tandem w/♂ *Sym.* Same 16/10/4/10/10
Sympetrum seminebulosum - few - 2♂
(1♂ in tandem w/♀ *C. elisa*)
S. rubicundulum - com. - 1 pr.

Survey Mass.
Drainage _____ Coll. No. 56-61
Locality Freeman's Pond, W. of Brewster
County _____ Quadrangle _____ Elevation _____
Water brown, clear Flow _____ Width _____
Vegetation Typha, mallow, etc
Bottom muck Current _____
Shore open to pt. wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather pt. cloudy
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VIII-11-1956
Collected by R. H. Gibbs
Orig. preserv. _____ Time 1:20 - 1:50 PM
General notes:

Libinia neohammonsi - com. - 2♂

L. pulchella - few - 1♂

Platysia lydia - sev. - 1♂

Erythraeus simplicicollis - sev.

Erythraeus beranice - sev.

Sympetrum rubicundulum - com. - 1♂

Perithous tenera - com. -

Loxotropa forcipatus - 1♂

Enallagma durum - com. - 1♂

Water sample
A

Survey Mass.
Drainage _____ Coll. No. 56-62
Locality Coles Pond, E. Dennis, on Quivert Neck
County _____ Quadrangle _____ Elevation _____
Water brown, clear Flow _____ Width _____
Vegetation Typha, Decodon, Scirpus
Bottom Muck, sand Current _____
Shore Scrubby Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VIII-11-1956
Collected by R. H. Gibbs
Orig. preserv. _____ Time 2:15-2:45 PM
General notes:

Anax junius - few
Libellula incesta - few
L. rostrata - few
Erythemis simplicicollis - few
Celithemis elisa - 1 seen
Symphetrum vicinum - 1♂ terminal seen
S. rubicundulum - com. - 1♀

Lestes vigilax - com. - 1♂ 1 pair
Enallagma doubledayi - com. - 3♂
E. geminatum - 1♂
Ischnura verticalis - com.

Water sample B

Survey Mass.
Drainage _____ Coll. No. 56-63
Locality 2 ponds at Nahscasset Point, Dennis
County _____ Quadrangle _____ Elevation _____
Water brown, clear Flow _____ Width _____
Vegetation Spartina, Picea, Juniper
Bottom Muck, sand Current _____
Shore open Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VIII-11-1956
Collected by R.H. Gibbs
Orig. preserv. _____ Time 3:15 - 4:00 PM
General notes:

Anax junius - sev.

Libellula cyanea - few

L. needhami - a bunch - 3♂ 1♀

L. pulchella - few - 1♂

Erythemis simplicicollis - sev.

Erythemis borealis - com. - 1♂

Enallagma civile - com. - 1♂

Ischnura verticalis - sev.

Survey Mass.
Drainage _____ Coll. No. 56-64
Locality Flashy Pond, Mashpee
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation Nymphoides, Sagittaria, Nymphaea, Utricularia
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather hazy-clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VIII-13-1956
Collected by R. H. Gibbs
Orig. preserv. _____ Time 10:30-11:30 AM
General notes:

Anax junius - sev.

Aeshna sp. - 1 or 2 of both ♂ & ♀ seen

Libellula incesta - sev.

L. auripennis - sev.

Plathemis lydia - 1 ♀ in brush

Celithemis mitchellii - 2 or 3 ♂ seen

Sympetrum sp. - few in brush

Tramea carolina - 1 or 2 seen

Lestes vigilax - com. - 1 ♂ 1 pair

L. eurinus - sev. + - 1 ♂

L. forcipatus - sev. + - 3 ♂

L. disjunctus - 1 ♀ from a tandem pr.

Enallagma doubledayi - 1 ♀ - 1 ♂

E. asperum - few - 1 ♂

Argia violacea - 1 pr.

Survey Mass.
Drainage _____ Coll. No. 56-65
Locality Boggy area N. of hwy 151, E of Flashy Pond
County _____ Quadrangle _____ Elevation _____
Water brown, clear Flow _____ Width _____
Vegetation Vaccinium (blueberry?), Scirpus, Nymphaea,
Brasenia, Potamogeton
Bottom Muck Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date 11-25-1956
Collected by R.H. Gibbs
Orig. preserv. _____ Time 1:00-2:00 PM

General notes:

Anax junius - 1♂ seen
Aeshna cyathigerus - 1♂

A. canadensis - 1♂

Pachydiplax longipennis - seen - 1♂ 2

Erythemis simplicicollis - few seen

Symphetrum rubicundulum - com. 2♂ 1 pr.

Lestes canescens - sev. - 4♂ 2♀

L. forficatus - com. - 5♂ 1♀

L. reductus - 1♂

Ischnura verticalis - few seen

Survey Mass.
Drainage _____ Coll. No. 56-66
Locality Cov radiator on road in Falmouth or Mashpee Twp.
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VIII-25-1956
Collected by _____
Orig. preserv. _____ Time 12:00 noon
General notes:

Aeshna tuberculifera - 1 ♀

Survey Mass.
Drainage _____ Coll. No. 56-67
Locality Marsh N. of Hwy 151, E of Flashy Pond
County _____ Quadrangle _____ Elevation _____
Water brown, clear Flow _____ Width _____
Vegetation Scirpus, Pontederia, Nymphaea
Bottom Muck Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VIII-25-1956
Collected by R.H. Gibbs
Orig. preserv. _____ Time 2:10-3:30 PM
General notes:

Aeshna clepsydra - com. - 8♂

A. tuberculifera - abund. - 13♀

Pachydiplax longipennis - com. -

Erythemis simplicicollis - sev.

Libellula incesta - few

Celithemis unguis - sev. (incl. tandem pairs)

Lestes forcipatus - com. + 3♂ 2♀ 1 pr.

L. disjunctus - sev. - 5♂

L. congener - sev. - 1♂ 1♀ 1 pr.

Enallagma doubledayi - 1♂

E. aspersum - 1♂ seen

Ischnura verticalis - sev.

Survey Mass.

Drainage

Coll. No. 56-68

Locality Flashy Pond, Mashpee

County

Quadrangle

Elevation

Water

Flow

Width

Vegetation

Bottom

Current

Shore

Distance from shore

Temperature: Air

Water

Time

Weather clear

Depth of Capture

Depth of Water

Method of Capture

Date

VIII-25-1956

Collected by

R. H. Gibbs

Orig. preserv.

Time

3:30-4:30 PM

General notes:

No *Anax junius*

A. longipes - 1 seen

Oeshwa clausydra - 1♂

O. canadensis - 1♂

several yellowish ♀♀ flushed from edge of pond in shrubbery. None were noted away from pond border.

Libellula auripennis - sev.

L. incesta - few

Erythemis simplicicollis - few

Celithemis notata - sev. - 1♂ 1♀

1♀ ovipositing w/♂

Tramea carolina - [few seen at 12:00 Noon]

Sympetrum rubicundulum - few - 1♂

Costa vigilax - com. - 1♂

L. disjunctus - sev. - 1♂ 1 pr.

L. forcipatus - 1♀

Euclyptus doubledayi - com. +

E. aspersum - few

Survey Mass.
Drainage _____ Coll. No. 56-69
Locality Gifford Bog, Falmouth
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation Nymphaea, Utricularia, Vaccinium (blueberry), Xyris,
etc.
Bottom Muck Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VIII-25-1956
Collected by R.H. Gibbs
Orig. preserv. _____ Time 5:00-5:40 PM
General notes:

Aeshna sp. - 1 or 2 ♂♂ + ♀♀ seen

Sympetrum rubicundulum - 1 ♂

Libellula vigilax - com - 1 ♂

L. disjunctus - com. - 4 ♂ 1 ♀

Enallagma doubledayi - sev. - 1 ♂

E. asprum - few - 1 ♂

Ischnura verticalis - com. ♀

Survey Moss.
Drainage _____ Coll. No. 56-70
Locality Flashy Pond, Mashpee
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date IX-6-1956
Collected by R.H. Gibbs
Orig. preserv. _____ Time 3:30-4:30 PM
General notes:

Water level down about a foot since
early in season

Aeshna clepsydra - com. - 5♂

Libellula incesta - 1♂

L. auripennis - few - 1♂

Calithemis martha - few - 2♂

Sympetrum rubicundulum - few - 1♂

S. vicinum - 1♂ 1♀

Tramea cardinea - 1 seen

Lestes forcipatus - few - 1♂ } few pairs seen or ♀♀

L. disjunctus - com. - 7♂

Enallagma doubledayi - ab. - 2♂ 1 pair

E. aspersum - 1♂

Argia violacea - 1♂

Survey Mass.
Drainage _____ Coll. No. 56-71
Locality Marsh N. of Hwy 151, E of Flushing Pond
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather pt. cldy.
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date IX-6-1956
Collected by _____
Orig. preserv. _____ Time 4:30-5:30 PM
General notes:

Aeshna canadensis - 1♂

A. dapsigera ♂ seen

A. tuberculifera ♀ - seen - 1♀

Pachydiplax longipennis - 1♂ (1♂ seen)

Lestes ferripotus - sev. seen

L. disjunctus - com.

L. vigilans - 1♂ 1♀

Eualloyma doubledayi - com. seen

E. aspersum - 1♂ seen seen

Ischnura verticalis - sev. seen

Survey Nova Scotia

Drainage _____

Coll. No. 56-72

Locality Vicinity of Peggy's Cove

County _____

Quadrangle _____

Elevation _____

Water _____

Flow _____

Width _____

Vegetation In bog - sphagnum, cranberry, Eriophorum
pitcher plant

Bottom _____

Current _____

Shore _____

Distance from shore _____

Temperature: Air _____

Water _____

Time _____

Weather _____

Depth of Capture _____

Depth of Water _____

Method of Capture _____

Date IX-11-1956

Collected by R. H. Gibbs

Orig. preserv. _____

Time 10:30 ± AM

General notes:

Laster disjunctus - 1 ♂ in bog

Sympetrum internum - 1 ♀ on rock at P.C.

Survey Nova Scotia

Drainage

Coll. No. 56-73

Locality

Pond near Cherry Hill beach, W of Broad Cove

County

Lunenburg

Quadrangle

Elevation

Water

brown, clear; prob. part salt

Flow

Width

- 300'

Vegetation

Rushes, Eriocaulon, etc.

Bottom

Muck

Current

Shore

Distance from shore

Temperature: Air

Water

Time

Weather

Clear

Depth of Capture

Depth of Water

Method of Capture

Date

IX-11-1956

Collected by

R. H. Gibbs

Orig. preserv.

Time

General notes:

Aeshna umbrosa - 1♂

♂ Sympetrum

- 1♂

General Symp.
com.

S. costiferum - 2♂ 2♀

Lestes disjunctus - 4♂ 1♀ - com.

Enallagma civile - 3♂ - com.

Ischnura verticalis - 1♀ - sev.

Survey Nova Scotia
Drainage _____ Coll. No. 56-74
Locality Marsh at East Jordan
County Shelburne Quadrangle _____ Elevation _____
Water brown, clear Flow _____ Width - 300'
Vegetation Pontederia, Scirpus
Bottom Rock, muck Current _____
Shore wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather cloudy
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date IX-12-1956
Collected by R. H. Gibbs + R. W. Risebrough
Orig. preserv. _____ Time 12:30 - 1:30 PM
General notes:

Oreshna sp. - sev. seen

Sympetrum internum - com. 3♂

S. vicinum - com. 5♂ 1 pr.

S. costiferum - 2♂

Lestes rectangularis - sev. - 3♂

L. disjunctus - sev. - 2♂ 1 pair

L. rigida ? - 2♀

Argia violacea - sev. seen

Enallagma hageni - com. - 7♂

E. civile - 1♂

Ischnura verticalis - sev. - 3♀

Survey Nova Scotia

Drainage _____ Coll. No. 56-75

Locality Lake SE of Quinow

County Yarmouth Quadrangle _____ Elevation _____

Water Brown, clear Flow _____ Width _____

Vegetation Pontederia, Nuphar

Bottom ? Current _____

Shore _____ Distance from shore _____

Temperature: Air _____ Water _____ Time _____ Weather overcast

Depth of Capture _____ Depth of Water _____

Method of Capture _____ Date IX-14-1956

Collected by A.H. Gibbs, R.W. Rischbrough

Orig. preserv. _____ Time 1:30 PM

General notes:

Aeshna interrupta - 1 ♀

Sympetrum _____ - 1 ♂

S. _____ - 1 ♀

S. vicinum - 1 ♂

Survey Mass.
Drainage _____ Coll. No. 56-76
Locality Flashy Pond, Mashpee
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air cool Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date X-6-1956
Collected by R. H. Gibbs
Orig. preserv. _____ Time 2:30 - 3:30 PM
General notes:

Aeshna clepsydra - sev. ♂, 1 ovipositing ♀
- 2 ♂

Sympetrum vicinum - sev., a few tandem pairs
1 ♂ 1 ♀ 1 pr.

1 *Zygoptera* (possibly ♀ *Enallagma*) seen

no others seen

Survey Mass.
Drainage _____ Coll. No. 56-77
Locality Marsh N of Hwy 151, E of Flosky Pond, Mashpee
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date X-6-1956
Collected by R. H. Gibbs
Orig. preserv. _____ Time 3:45-3:50
General notes:

Lester congener - 1 pr.

no others seen

Flosky

56-78

X-13-1956

2:00-3:00 PM

Symplocos *vicinum* - com. - 48 38

S. bic. - few - 18

S. rostr. - 18

no other genera seen

clear, cool

Flashy

56-79

8-21-1956

2:50 - 3:30 PM

Sympetrum vicinum - sev. + 4♂ 1♀

sev. ♀ in water

S. semicinctum - 1♀

Euballia

clear, wormish

clear

Survey Mass.
Drainage _____ Coll. No. 57-1
Locality Flashy Pond, Mashpee
County Barnstable Quadrangle _____ Elevation _____
Water Brown, clear Flow _____ Width _____
Vegetation Very little in water, all appeared dead or not yet in full growth
Bottom Trash, sand, humus Current _____
Shore wooded Distance from shore -6'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date V-25-1957
Collected by R. H. Gibbs
Orig. preserv. Pot. cyanide Time 1:00-2:00 P.M. DST
General notes: _____

TP39-52

Anax junius - sev. seen

Ladona deplanata - com. - 2♂ 1 pr.

Tramea carolina - 1 seen

Lestes eurinus - sev. terminal only

Ischnura verticalis - 1♂ seen

Erythemis cyathigerum - com. + paired
+ single

4♂ 2♀ 13 pr.

Some ♀♀ all brown, some blue

Survey Mass.
Drainage _____ Coll. No. 57-2
Locality Flax (=Picture) Pond, N. Falmouth
County _____ Quadrangle _____ Elevation _____
Water Lt. brown-white, clear Flow _____ Width _____
Vegetation Isoetes; sparse in lake; inundated shrubs on edge
Bottom humus, trash, sand Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture dredge Date V-25-1957
Collected by R. H. Gibbs
Orig. preserv. none Time 2:30-3:30 PM DST
General notes: _____ TP39-52

all larvae - selected. All Coenagrionidae saved
+ few Libellulidae suspected of being
Ladona, others discarded = Aeshnines
(Anax + Aeshna?); Gomphidae (G. exilis?);
Corduliidae (Tetragoneuria); Libellulidae.
Exuviae of Tetragoneuria, Gomphus seen.

Larvae # 1-24, inclusive + 51-53 (Ladona)

Survey Mass.
Drainage _____ Coll. No. 57-3
Locality Flashy Pond, Marshpee
County Barnstable Quadrangle _____ Elevation _____
Water Brown, clear Flow _____ Width _____
Vegetation Brasenia, Nymphaea just beginning to reach surface + form leaves.
Bottom sand, humus Current _____
Shore wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date V-31-1957
Collected by R. H. Gibbs
Orig. preserv. Pot. cyanide Time 3:00-4:00 PM DST
General notes: _____ TP39-52

Ladona deplanata - few ♂♂ seen

Enallagma cyathigerum - com. -

Lestes eurinus - sev. +, all teneral or just emerging

No Anax junius. Very small numbers compared to coll. 57-1

Survey Mass.
Drainage _____ Coll. No. 57-4
Locality Jabinettes Pond, W. Yarmouth
County Barnstable Quadrangle _____ Elevation _____
Water Brown, clear Flow _____ Width _____
Vegetation Nymphaea, Scirpus, Vaccinium (cranberry)
Bottom Sand, muck, humus Current _____
Shore Wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture dredge Date V-31-1957
Collected by R. H. Gibbs
Orig. preserv. _____ Time 4:30-5:30 PM
General notes: _____

TP39-52

Tetragoneuria? - 1 seen

Erythronis simplicicollis - 1 seen

no others out as yet.

Pond was very low, almost like the first time we visited it. All the bushes and cranberries along the edge were no longer inundated, leaving a wide stretch of sand without vegetation before the bottom became cluttered with debris and Nymphaea appeared. The only truly emergent vegetation were the Scirpus? along one margin. I could find only two larger damselfly larvae. There were some very small Anisoptera far from the edge in the debris. I wonder whether

Enallagma laterale will survive, and
if so, where the larvae are.

Larvae # 25 + 26.

Survey Moss.
Drainage _____ Coll. No. 57-5
Locality Hawksnest Pond, Harwich
County Barnstable Quadrangle _____ Elevation _____
Water Brown, clear Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net + dredge Date VI-1-1957
Collected by R.H. Gibbs
Orig. preserv. _____ Time 2:00 - 3:00 PM
General notes: _____ TP39-52

Tetragonocuria - few seen
Ladona exusta - sev.
no *deplanata*

Enallagma laterale - com. - 3♂ 1 pair

Larvae 27-45 inclusive

Survey Mass.
Drainage _____ Coll. No. 57-6
Locality Hawksnest Pond, Harwich
County Barnstable Quadrangle _____ Elevation _____
Water Brown, clear Flow _____ Width _____
Vegetation Nymphaea, Potamogeton, Scirpus
Bottom Sand, humus, muck Current _____
Shore Wooded Distance from shore _____
Temperature: Air _____ Water 77-87°F. Time 4:30 Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net + dredge Date VI-17-1957
Collected by R. H. Gibbs + E. B. Collette
Orig. preserv. _____ Time 2:30-4:30

General notes:

TP39-52

Gomphus exilis - 1♂
Anax junius - 1 seen
Tetragoneuria - few seen
Dorocordulia lepida - few seen
Ladona exusta - few seen
Celithemis elisa - 1♂ seen
Leucorrhinia intacta - com. - 3♂

Lestes sp. - sev. seen

Enallagma recurvatum - 12♂ 1 pair

Enallagma laterale - 4♂ 1 pair

E. doubledayi? - sev. seen

E. geminatum - 2♂

E. pictum - few seen

Ischnura verticalis - com., 2♂ 4♀

I. posita - 1♂

Larvae 46 - 65

Hololepis fusiforme - 4 sp.

Survey Mass. BBC 355
 Drainage _____ Coll. No. 57-7
 Locality black pond at end of Little Namiskaket Creek,
Orleans
 County Barnstable Quadrangle _____ Elevation _____
 Water black, clear Flow _____ Width _____
 Vegetation Scirpus, etc. abund. at edge
 Bottom humus Current _____
 Shore wooded Distance from shore -5'
 Temperature: Air _____ Water _____ Time _____ Weather clear
 Depth of Capture _____ Depth of Water _____
 Method of Capture _____ Date VI-30-1957
 Collected by R.H. Gibbs + B.B. Collette
 Orig. preserv. _____ Time 12:00 - 12:45 PM
 General notes: _____

TP39-52

Anax junius - 1 tandem pr. seen

Dorocordulia lepida? - 1 ♂ seen

Libellula pulchella - 1 ♂ seen

L. cyanea - sev. ♂ (1 ♂)

L. incesta - sev. ♂ (1 ♂)

Erythemis simplicicollis - com. - 3 ♂

Rachydiplax longipennis - ab. - 2 ♂

Leucorrhinia intacta - 2 ♂

Ischnura verticalis - com. - 1 ♂ 3 ♀

I. posita - com. - 1 pr.

Survey Mass. BBC 356
Drainage _____ Coll. No. 57-8
Locality Cedar Pond, N. of Gilsons Center
County Barnstable Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width -400'
Vegetation Nymphaea, Nuphar, Typha etc.
Bottom sand, muck Current _____
Shore wooded Distance from shore -20'
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water -3 1/2'
Method of Capture net + seine Date VI-30-1957
Collected by R.H. Gibbs + B.B. Collette
Orig. preserv. _____ Time 1:00 - 2:00
General notes: _____ TP39-52

Anax junius - few

Epicardulia princeps - 1 seen

Libellula needhami - few - 2♂

L. incesta - com. 4♂, 1♀, 1 pair

Plathemis lydia - 1♂ seen

Perithemis tenera - ♂ abund, no ♀ at all

Pachydiplax longipennis - com.

Isechnura verticalis - few - 2♀

I. posita - few 2♂

Enallagma geminatum - 1♂ only (no others seen)

E. signatum - com. + 1♂, 1♀, 1 pair

Argia violacea - 1♂ only

larvae 75 - 79

Survey Mass IBC 357
Drainage _____ Coll. No. 57-9
Locality Minister Pond, Eastham
County Barnstable Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width _____
Vegetation Nymphaea, Nymphaeoides, Pontederia, Scirpus
Utricularia
Bottom sand, gravel, muck Current _____
Shore wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net, dredge, seine Date VI-30-1957
Collected by R.H. Gibbs & E.B. Collette
Orig. preserv. _____ Time 2:30-3:45

General notes:

TP39-52

Anax junius - 1 seen
Libellula incesta - com. it
Pachydiplax longipennis - com. it 2♂, 1 pr.
Erythemis simplicicollis - sev.
Tramea carolina - 1♂, 1 pr. seen

Ischnura bellipicta - com. 7♂, 6♀
I. verticalis - sev. + 1♂, 4♀
Erythemis aspersum - few - 1♂
E. doubledayi - 1♂
E. geminatum - 1♂
Lestes vigilax - few - 1♂
E. signatum - 1♂

Larvae 80-91, incl.

Survey Mass.

Drainage _____

Coll. No. 57-10

Locality Flax Pond, N. Falmouth

County Barnstable

Quadrangle _____

Elevation _____

Water White, clear

Flow _____

Width _____

Vegetation _____

Bottom Sand, debris

Current _____

Shore _____

Distance from shore _____

Temperature: Air _____

Water _____

Time _____

Weather clear

Depth of Capture _____

Depth of Water _____

Method of Capture _____

Date VI-22-1957

Collected by R. H. Gibbs

Orig. preserv. _____

Time 9:10-10:30 AM

General notes: Written up June 30, 1957

TP39-52

Evallagma recurvatum

E. minusculum

} both com. to ab.

Larvae 66-74

Survey Mass.
Drainage _____ Coll. No. 57-11
Locality _____
County Barnstable Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation Nymphaea
Bottom Sand, Muck Current _____
Shore Wooded and open Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather cldy rain
Depth of Capture _____ Depth of Water _____
Method of Capture Seine Date VI-30-1957
Collected by R. H. Gibbs & E. B. Collette
Orig. preserv. _____ Time _____
General notes: _____

TP39-52

Progomphus obscurus - larvae com.

Survey Mass.
Drainage _____ Coll. No. 57-12
Locality Pond at Silver Beach
County Barnstable Quadrangle _____ Elevation _____
Water Brown, clear Flow _____ Width _____
Vegetation abund.
Bottom muck Current _____
Shore open Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date VII-14-1957
Collected by R. H. + S. P. Gibbs
Orig. preserv. _____ Time 3:45-4:30 PM
General notes: _____

TP39-52

Anax junius - 10⁺ seen

Libellula pulchella - few seen

L. incesta - 1 seen

L. cyanea - 1 seen

L. luctuosa - 1 (teneral) seen

Erythemis simplicicollis - 1 seen

Erythrodiplosis borealis - 1 seen

Sympetrum sp. - 2 seen

Ephallagma sp. - com. - seen

Ischnura sp. - sev.

Survey Mass.
Drainage _____ Coll. No. 57-13
Locality Pond E. of Flashy Pond, S. of Hwy 151, Mashpee

County Barnstable Quadrangle _____ Elevation _____
Water Brown, clear Flow _____ Width _____
Vegetation Scirpus, Sparganium, Nymphaea, Utricularia

Bottom Muck Current _____
Shore Wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear

Depth of Capture _____ Depth of Water _____
Method of Capture net Date VII-14-1957

Collected by R.H. & S.A. Gibbs

Orig. preserv. _____ Time 4:30-5:00 PM

General notes:

TP39-52

Anax junius - 1 seen

Tetraneura? - 1 seen

Libellula curipennis - com.

L. incisa - com.

Celithemis notata - few

Pachydiplax longipennis - com.

Tramea carolina - 1 seen

Lestes eurinus - seen

Enallagma aspersum - few

E. doubledayi? - seen?

Ischnura verticalis - few

Survey Mass.
Drainage _____ Coll. No. 57-14
Locality Pond just E of Flahy Pond, N of Hwy 151, Mashpee
County Barnstable Quadrangle _____ Elevation _____
Water brown, clear Flow _____ Width _____
Vegetation Typha, etc.
Bottom muck Current _____
Shore wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date VII-14-1957
Collected by R.H. + S.P. Gibbs
Orig. preserv. _____ Time 5:00-5:30 PM
General notes: _____

TP39-52

Aeshna canadensis - 1 ♂ only seen

Libellula auripennis - sev.

L. incesta - sev.

Pachydiplax longipennis - com.

Lestes curvius - sev.

Euphydryas aspersus - four

Ischnura verticalis - sev.

Survey Mass.
Drainage _____ Coll. No. 57-15
Locality Flashy Pond, Mashpee
County Barnstable Quadrangle _____ Elevation _____
Water Brown, clear Flow _____ Width _____
Vegetation Nymphaea, Utricularia, etc.
Bottom Sand, muck Current _____
Shore Wooded Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date VII-14-1957
Collected by R.H. + S.P. Gibbs
Orig. preserv. _____ Time 5:30-6:30 PM
General notes: _____

TP39-52

Anax junius - few

Libellula auripennis - com. +

L. incesta - com.

Pachydiplax longipennis - 1 seen

Tramea carolina - sev.

Lestes eurinus - com.

Enallagma doubledayi - com.

E. aspersum - few

Survey Mass
Drainage _____ Coll. No. R116 58-1
Locality Jabinette's Pond

County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____

Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VI-12-1958
Collected by R. H. Gibbs
Orig. preserv. _____ Time 12:00 - 1:30 PM
General notes: Ost TP39-52

Anax junius - 1♂, 1 tandem pair seen

Ladona deplanata - 1♂ seen

L. exusta - sev. ♂, 1 ♀ (laying) seen

Tromia (*lacerata*?) - seen

very dark red basal markings on wings,
darker than any corollina I have seen.

Enallagma *laticauda* -

others?

Survey Mass.
Drainage _____ Coll. No. RHG 58-2
Locality Hawksnest Pond
County _____ Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather _____
Depth of Capture _____ Depth of Water _____
Method of Capture _____ Date VI-12-1958
Collected by R.H. Gibbs
Orig. preserv. _____ Time 2:30-3:10 PM DST
General notes: _____ TP39-52

Anax junius - 1♂ seen

Tetraneura (Lynceus?) - few seen

Colletes elisa - few tanerob seen

Ladona exusta - ♂ com.

L. deplanata? - perhaps seen

Enallagma (laterale?) - com.

Survey Mass.
Drainage _____ Coll. No. RH6 58-3
Locality Harbor Hill Rd, Woods Hole
County Barnstable Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation _____
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date VI-16-1958
Collected by R.H. Gibbs
Orig. preserv. _____ Time 12:15 PM DST
General notes: _____ TP39-52

Epiaethna heros - 1 ♀

at least 2 others seen
hawking along the road

Survey Mexico
 Drainage W. Coast - Pacific Coll. No. RHG 57-1
 Locality Irrigation Canal & Surrounding area just S. of Obregon
 County Sonora Quadrangle _____ Elevation _____
 Water _____ Flow _____ Width _____
 Vegetation common
 Bottom mud Current mod to a.
 Shore open Distance from shore _____
 Temperature: Air hot Water T Time _____ Weather clear
 Depth of Capture _____ Depth of Water _____
 Method of Capture net Date VI-26-1959
 Collected by R.H. Gibbs
 Orig preserv. Pot. cyanide Time 0700-0900 p.m.
 General notes:

Oncomelasma hastatum - 1 ad.

Enallagma civile - sev.

Argia _____ - sev.

Libellula _____ - ab.

purple as older, many tenorals,
 most or all of them ♀♀, much like
L. auripennis, but not that species.

Dytiscus _____ - com

Erythrodiplax _____ - com

Pachydiplax longipennis - com (only few caught)

Pantala hymenaea - ab.

Erithemis simplicicollis - 1 spec

Perithemis _____ - few spec

Tramea _____ - com

Survey Mexico
Drainage..... Coll. No. 59-2
Locality San Miguel Zapotitlan - near irrigation ditch
County Sinaloa Quadrangle..... Elevation.....
Water..... Flow..... Width.....
Vegetation
Bottom..... Current.....
Shore Distance from shore
Temperature: Air Water Time Weather clear
Depth of Capture..... Depth of Water.....
Method of Capture net Date VI-26-1957
Collected by R.H. Gibbs
Orig preserv..... Time 1215-1230 PST
General notes:

Dytthemis _____ - 2 ad, sev. others

Thelymnia citrina - 1 ad

Survey Mexico
Drainage..... Coll. No. 59-3
Locality 34 mi. S of Mazatlan by muddy pond
beside road
County..... Quadrangle..... Elevation.....
Water..... Flow..... Width.....
Vegetation
.....
Bottom..... Current.....
Shore Distance from shore
Temperature: Air Water Time Weather.....
Depth of Capture..... Depth of Water.....
Method of Capture..... Date VI-27-1959?
Collected by
Orig preserv..... Time.....
General notes:

Survey
Drainage..... Coll. No. 59-4
Locality
.....
County..... Quadrangle..... Elevation.....
Water..... Flow..... Width.....
Vegetation
.....
Bottom..... Current.....
Shore Distance from shore
Temperature: Air Water Time Weather.....
Depth of Capture..... Depth of Water.....
Method of Capture..... Date.....
Collected by
Orig preserv..... Time.....
General notes:

Probably San Blas, Nayarit

VI-29-1959 ?

Survey
Drainage..... Coll. No. 59-5
Locality Puddle beside road to Mexico City from Guadalajara
.....
County..... Quadrangle..... Elevation.....
Water..... Flow..... Width.....
Vegetation
.....
Bottom..... Current.....
Shore Distance from shore
Temperature: Air Water Time Weather.....
Depth of Capture..... Depth of Water.....
Method of Capture..... Date VI-29-1959
Collected by
Orig preserv..... Time.....
General notes:

Probably by L. Chapala

Survey Mexico
Drainage..... Coll. No. 59-6
Locality N. of Alvarado in clearing beside road near
branch
County Veracruz..... Quadrangle..... Elevation.....
Water..... Flow..... Width.....
Vegetation
.....
Bottom..... Current.....
Shore Distance from shore
Temperature: Air Water Time Weather.....
Depth of Capture..... Depth of Water.....
Method of Capture..... Date.....
Collected by
Orig preserv..... Time VII-2-1959
General notes:

Tramea sp.

1 ad.

Survey Mexico
Drainage..... Coll. No. 59-7
Locality Rain forest 15 mi. N of San Andres Tuxtla
County Veracruz Quadrangle..... Elevation.....
Water..... Flow..... Width.....
Vegetation
Bottom..... Current.....
Shore Distance from shore
Temperature: Air Water Time Weather clear
Depth of Capture..... Depth of Water.....
Method of Capture..... Date VII-4-1959
Collected by
Orig preserv..... Time 1400-1500
General notes:

Megaloprepis - seen & missed

Survey
Drainage..... Coll. No. 59-8
Locality Rio Actla at Ferry Crossing 13 mi. E of
Xilitla + river along road
County..... Quadrangle..... Elevation.....
Water..... Flow..... Width.....
Vegetation
.....
Bottom..... Current.....
Shore Distance from shore
Temperature: Air Water Time Weather.....
Depth of Capture..... Depth of Water.....
Method of Capture..... Date VII-6-1959
Collected by
Orig preserv..... Time.....
General notes:

Survey
Drainage..... Coll. No. 59-9
Locality El Salto.....
.....
County..... Quadrangle..... Elevation.....
Water..... Flow..... Width.....
Vegetation
.....
Bottom..... Current.....
Shore Distance from shore
Temperature: Air Water Time Weather.....
Depth of Capture..... Depth of Water.....
Method of Capture..... Date. VII-6-7-1957
Collected by
Orig preserv..... Time.....
General notes:

Survey Ariz.
Drainage _____ Coll. No. RHG 60-1
Locality Herb Martyr Dam, E. Chiricahua Mtns.
County Cochise Quadrangle _____ Elevation _____
Water white, clear Flow _____ Width _____
Vegetation reeds on edge
Bottom _____ Current _____
Shore _____ Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date June 2-3, 1960
Collected by R.H. Gibbs
Orig. preserv. pot. cyanide Time mid-afternoon
General notes: _____

TP39-52

Aeshna dugesi - 1♂

Libellula saturata - sev. ♂

Argia moesta (?) - 1♂

A. munda - few ♂

Enallagma coeruleum - 3♂?

E. protervarum (?) - 1♂

Ischnura cervula - 3♂ 1♀

Survey Mexico
Drainage _____ Coll. No. RHG 60-2
Locality La Mision, stream W of main road
County Baja Calif. Quadrangle _____ Elevation _____
Water _____ Flow _____ Width _____
Vegetation abundant
Bottom mud Current _____
Shore scrubby - Distance from shore _____
Temperature: Air _____ Water _____ Time _____ Weather clear
Depth of Capture _____ Depth of Water _____
Method of Capture net Date VII-10-1960
Collected by R.H. Gibbs
Orig. preserv. pot. cyanide Time ca. 2:00 PST
General notes: _____

TP39-52

Ischnura demorsa - 2♂

Enallagma carunculatum - 1♂